



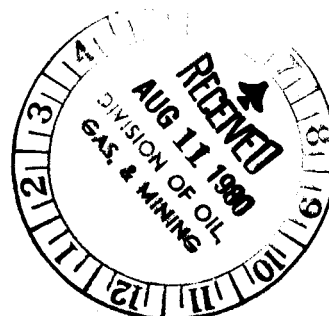
POWERS ELEVATION

OIL WELL ELEVATIONS AND LOCATIONS  
CHERRY CREEK PLAZA, SUITE 1201  
800 SOUTH CHERRY STREET  
DENVER, COLORADO 80222  
PHONE NO. 303/321-2217

August 8, 1980

State of Wyoming  
Division of Oil, Gas and Mining  
1588 West, North Temple  
Salt Lake City, Utah 84116

RE: Filing Application for Permit to Drill  
ARCO Oil & Gas Company  
#31-1 Black Horse Canyon-Federal  
NW SW Sec. 31 T15S R24E  
1820' FSL & 500' FWL  
Uintah County, Utah



Gentlemen:

Enclosed are three copies each of the Federal A.P.D. Form 9-331C, location and elevation plat, Ten-Point Compliance Program and Blowout Preventer Diagram for the above-captioned well location.

Please return the approved copies to:

Marc Smith  
ARCO Oil & Gas Company  
P.O. Box 5540  
Denver, Colorado 80217

Very truly yours,

POWERS ELEVATION

*Connie L. Frailey*

Connie L. Frailey  
Manager, Environmental Services

CLF:cd  
Enclosures

cc: Marc Smith

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐2. NAME OF OPERATOR  
ARCO Oil & Gas Company3. ADDRESS OF OPERATOR  
717 17th Street Suite 1810 Denver, Colorado 802174. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

1820' FSL &amp; 500' FWL (NW SW)

At proposed prod. zone  
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

40.5 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE

1280

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7830'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

in compliance w/Utah Rule C-3

20. ROTARY OR CABLE TOOL

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

8262' GR

22. APPROX. DATE WORK WILL START\*

August 15, 1980

23

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" new	36# K-55 ST&C	300'	200sacks 50-50 pozzalm
8-1/2"	7" new	20# K-55 ST&C	4100'	200sacks 50-50 pozzalm
6-1/4"	4-1/2" new	11.6# N80 LT&C	7830'	160sacks 50-50 pozzalm

1. Drill 12-1/4" hole and set 9-5/8" surface casing to 300' with good returns.
2. Drill 8-1/2" hole and set 7" intermediate casing to 4100' and cement.
3. Log B.O.P. checks in daily drill reports and drill 6-1/4" hole to 7830'.
4. Run tests if warranted and run 4-1/2" casing if productive.
5. Run logs as needed, and perforate and stimulate as needed.

## EXHIBITS ATTACHED:

- "A" Location and Elevation Plat "K" - Fracturing Program Layout  
"B" The Ten-Point Compliance Program  
"C" The Blowout Preventer Diagram  
"D" The Multi-Point Requirements for A.P.  
"E" & "E<sub>1</sub>" Access Road Maps to Location  
"F" Radius Map of Field  
"G" Drill Pad Layout, Production Facilities & Cut-Fill Cross-Section  
"H" Drill Rig Layout

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

DATE August 7, 1980

(This space for Federal or State office use)

PERMIT NO.

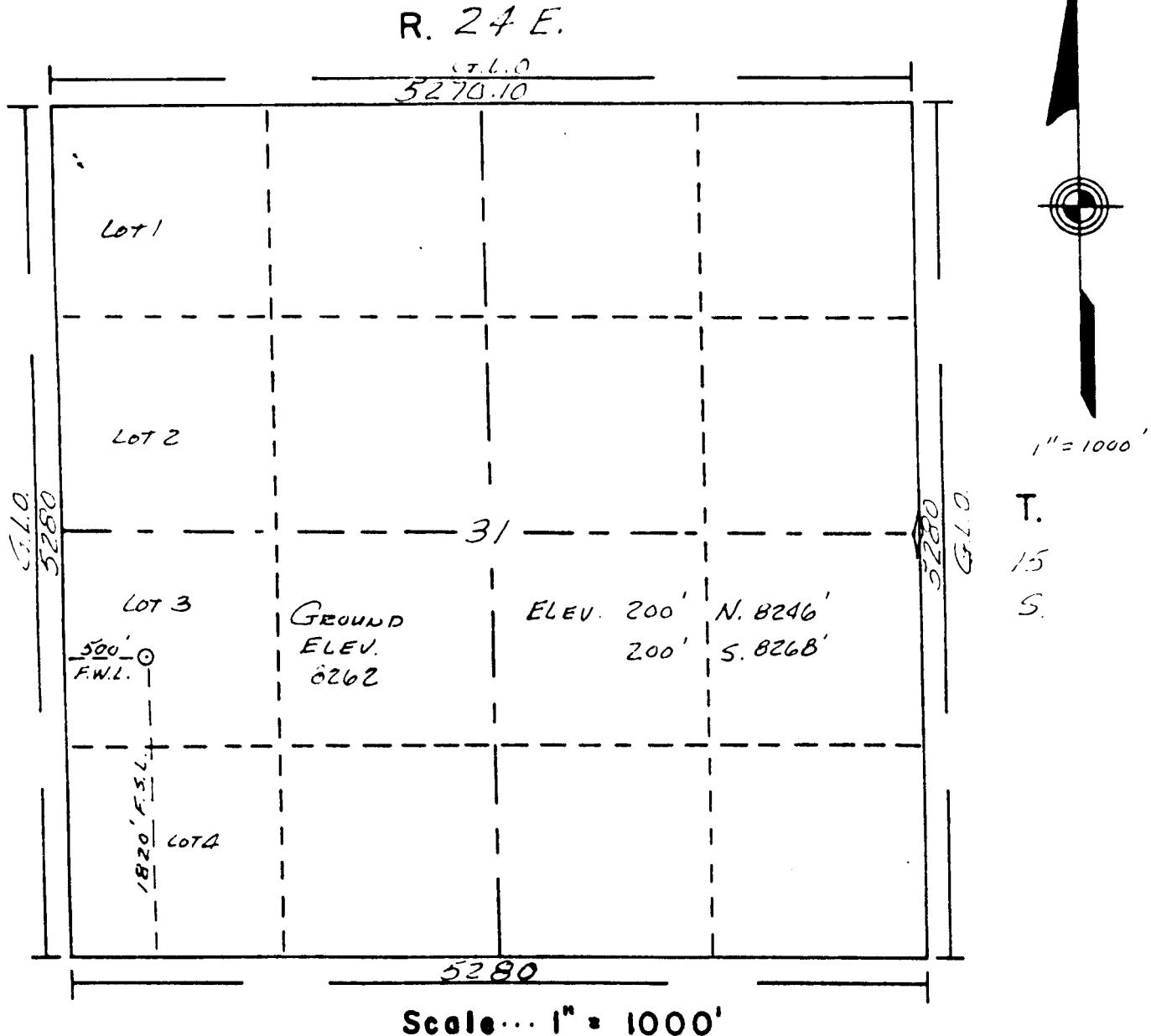
APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY



Powers Elevation of Denver, Colorado  
has in accordance with a request from MARK SMITH  
for ARCO OIL & GAS  
determined the location of #31-1 BLACK HORSE CANYON-FEDERAL  
to be 1820' F.S.L. & 500' F.W.L. OF Section 31 Township 15 S.  
Range 24 E. OF THE SALT LAKE BASE AND Meridian  
LLINTAH County, UTAH.

I hereby certify that this plat is an  
accurate representation of a correct  
survey showing the location of

#31-1 BLACK HORSE CANYON-FEDERAL

Date: 8-3-80

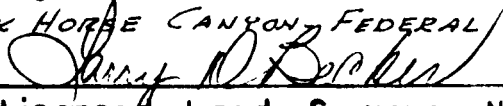
  
Licensed Land Surveyor No. 4189  
State of UTAH

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM

OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C  
ARCO Oil & Gas Company  
#31-1 Black Horse Canyon-Federal  
NW SW Sec. 31 T15S R24E  
1820' FSL & 500' FWL  
Uintah County, Utah

1. The Geologic Surface Formation

The surface formation is the Green River.

2. Estimated Tops of Important Geologic Markers

Mesaverde	1905'
Castlegate	3852'
Mancos	3904'
Frontier	7250'
Dakota Silt	7526'
Dakota	7560'
Buckhorn	7700'
Morrison	7766'
Total Depth	7830'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Dakota	7560'	Gas
Buckhorn	7700'	Gas

No water sands expected

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE &amp; JOINT</u>	<u>NEW OR USED</u>
12 $\frac{1}{4}$ "	0-300'	300'	9 5/8"	36#, K-55, ST&C	New
8 $\frac{1}{2}$ "	0-4100'	4100'	7"	20#, K-55, ST&C	New
6 $\frac{1}{4}$ "	3950'-7830'	3880'	4 $\frac{1}{2}$ "	11.6#, N-80, LT&C	New



Cement Program

Surface - 200 sacks 50-50 pozzalm cement with 2% CaCl<sub>2</sub>- cement to surface.

Intermediate- 200 sacks 50-50 pozzalm cement with 2% CaCl<sub>2</sub>

Liner - 160 sacks 50-50 pozzalm cement - Fill to 6700' or 500' above hydrocarbon zones.

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to half of working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include an upper kelly cock, floor safety valve, and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/gal.</u>	<u>VIS.-sec./qt.</u>	<u>FLUID LOSScc</u>
0-4100'	Gel/Water	8.3-9.0	30-50	15-20
4100-7830'	Air			

7. The Auxiliary Equipment to be Used

- (a) An upper kelly cock will be kept in the string.
- (b) A float will be used at the bit.
- (c) Neither a mud logging unit nor a gas detecting device will be monitoring the system.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- (a) No DST's are anticipated.
- (b) The logging program will consist of DIL-SFL, CNL-FDC from total depth to 4100'; DIL-GR, FDC, SNP from 7830' to 4100'; Cased Hole- CBL with Gamma Ray and VDL through zones of interest.

- (c) No coring is anticipated.
- (d) Completion program will be to sand water frac. Well will be flowed through 2 3/8" tubing. See Exhibit "K".

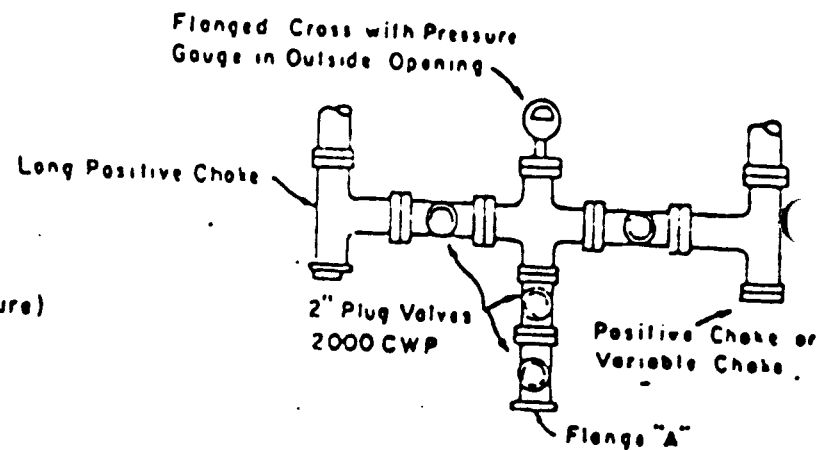
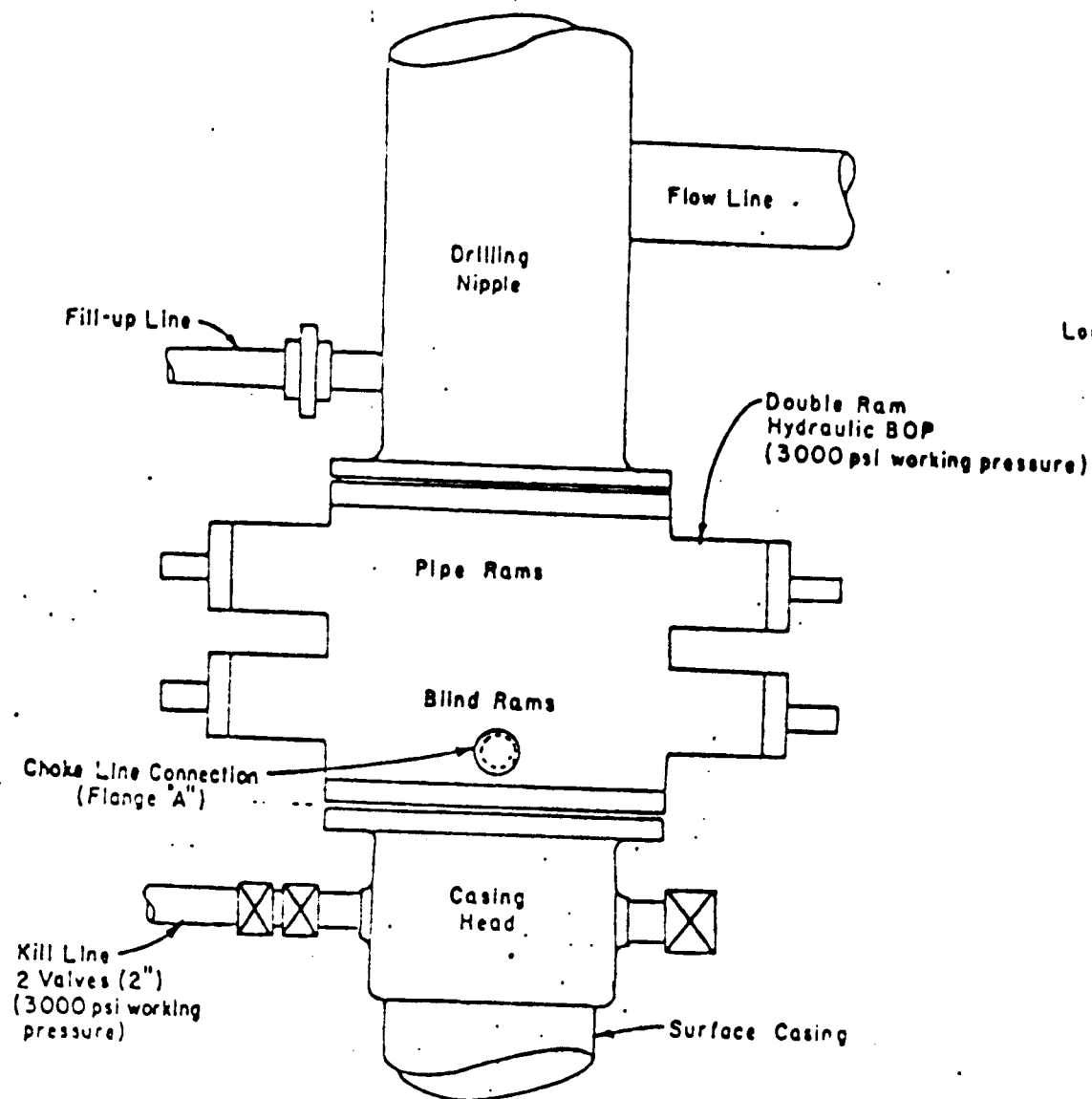
9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 3200 maximum.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for August 15, 1980, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 30 days after spudding the well and drilling to casing point.



PLAN VIEW-CHOKE MANIFOLD

**\*\* FILE NOTATIONS \*\***

DATE: Aug 14, 1980  
OPERATOR: Arco Oil & Gas Co.  
WELL NO: Well #31-1  
Location: Sec. 31 T. 15S R. 24E County: Clinton  
File Prepared: ☒ Entered on N.I.D: ☒  
Card Indexed: ☒ Completion Sheet: ☒  
API Number 43-047-30765

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_  
Director: OK accordance w/ Rule C-3  
Administrative Aide: \_\_\_\_\_

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐  
Order No. \_\_\_\_\_ O.K. Rule C-3 ☒  
Rule C-3(c), Topographic Exception - company owns or controls acreage  
within a 660' radius of proposed site  
Lease Designation Well Plotted on Map ☐  
Approval Letter Written ☐  
Hot Line ☒ P.I. ☒

August 19, 1980

ARCO Oil & Gas Company  
717117th Street, Suite 1810  
Denver, Colorado 80217

RE: Well No. Federal #31-1  
Sec. 31, T. 15S, R. 24E.,  
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to ~~gas~~ well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
HOME: 876-3001  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is Federal #31-1: 43-047-30765.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Petroleum Engineer

/bh

cc: USGS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

DUPLICATE

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

ARCO Oil &amp; Gas Company

3. ADDRESS OF OPERATOR

717 17th Street Suite 1810 Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface1820' FSL & 500' FWL (NW SW)  
At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

40.5 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 500'18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF WELLS IN LEASE

1280

19. PROPOSED DEPTH

7830'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

14th compliance w/Utah Rule C-3

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

8262' GR

22. APPROX. DATE WORK WILL START\*

August 15, 1980

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" new	36# K-55 ST&C	300'	200sacks 50-50 pozzalm
8-1/2"	7" new	20# K-55 ST&C	4100'	200sacks 50-50 pozzalm
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5. Run logs as needed, and perforate and stimulate as needed.

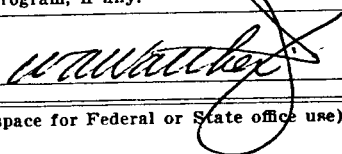
## EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "C" The Blowout Preventer Diagram
- "D" The Multi-Point Requirements for A.P.D.
- "E" & "E<sub>1</sub>" Access Road Maps to Location
- "F" Radius Map of Field
- "G" Drill Pad Layout, Production Facilities & Cut-Fill Cross-Section
- "H" Drill Rig Layout

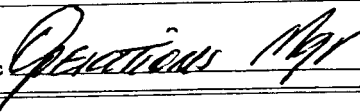
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED



TITLE



DATE August 7, 1980

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:



TITLE

FOR E. W. GYNN  
DISTRICT ENGINEER

DATE SEP 26 1980

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY  
See Instructions On Reverse SideFLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

Production Facilities and Flowline NOT Approved

State Oil &amp; Gas

Identification No. 635-80  
Lease # V-14234

United States Department of the Interior  
Geological Survey  
Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Arco Oil and Gas Company Well 31-1  
Project Type Gas well drilling Black Horse Canyon ~~Field~~ Field  
Project Location 1820' FSL 500' FWL section 31, T15S, R24E  
Date Project Submitted August 8, 1980

FIELD INSPECTION

Date September 5, 1980

Field Inspection  
Participants

Greg Darlington - USGS - Vernal  
Ron Rogers - BLM - Vernal  
Larry England - BLM - Vernal  
Mark Smith - Arco Oil and Gas Company  
Larry Becker - Powers Elevation  
Bill Harrington - Powers Elevation

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

September 11, 1980  
Date Prepared

Gregory Darlington  
Environmental Scientist

I concur

9/22/80  
Date

E. W. Long  
District Supervisor

# CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							Onsite Participants	9/5/1980	
2. Unique charac- teristics									see note *
3. Environmentally controversial									
4. Uncertain and unknown risks									
5. Establishes precedents									
6. Cumulatively significant									
7. National Register historic places							Ron Rogers		
8. Endangered/ threatened species							Larry England		
9. Violate Federal, State, local, tribal law							Onsite Participants		

\* The request to stake the well was originally at 500' FSL 500' FWL in a no occupancy area too close to PR Spring. Per the BLM request of June 26, 1980 the location was staked at the alternate less controversial location where environmental ~~impacts~~ impacts would be considerably less. On July 14, 1980 the staking request was resubmitted with the suitable alternate location which we looked at



### Proposed Action:

Arco Oil and Gas Company proposes to drill the Arco well # 31-1 in the Black Horse Canyon field, a 7830 foot gas test of the Dakota and Morrison Formations. The location will be built on existing roads and will involve an area of operations 200' by 300' ~~with~~ about 1.4 acres of disturbed surface.

### Recommended Approval Conditions:

Drilling should be allowed, provided the following measures are incorporated into the proposed APD and adhered to by the operator.

1. Lease Stipulations
2. BLM stipulations
3. ~~Mineral~~ If additional logs are requested by the ~~Mineral~~ Mineral Evaluation and Mining Reports then these are to be suitably furnished by the operator.

4. The access road was changed at the onsite per the attached map to use a more traveled bladed route rather than a jeep trail. Archaeology has been done for the new route prior to the onsite.

5. The reserve pits would be redimensioned to about 50 feet by 130 feet, combined with blosie pit, and placed in the Northwest corner of the pad. The pit will be then made lower than the pad so that one half its 12 foot depth will be located in cut material.

6. Arco accepts maintenance of the existing road from Seep Ridge Road to the wellsite.



Arco 31-1 North View  
Sec. 31, T15 S, R24 E

9/5



Arco 31-1 South View  
Sec. 31, T.15 S., R.24 E. 9/5

# STIPULATION

As to lands administered by the Bureau of Land Management under the above oil and gas lease, the lessee hereby agrees that the following stipulations are by this reference incorporated as terms and conditions of said lease:

Lessee shall submit in writing to the Bureau of Land Management District Manager of the district in which the land is located for advance written approval by that office, a detailed plan of operation respecting any operation which will, or which may, result in damage to property or land or scarring of the land surface, or induce erosion, including any planned use of bulldozers, earth-moving equipment or similar mobile equipment. Said operations include, but are not limited to, exploratory drilling, the construction of access roads, and the conduct of seismographic explorations. The said operations will be conducted only to the extent so approved in writing by the District Manager.

Lot 4 Sec. 31, T. 15 S., R. 24 E., SL Mer., Utah, is included in the P. R. Springs Campground. No occupancy of the surface is authorized by this lease. The lessee, however, is authorized to employ directional drilling to exploit the oil and gas resources provided such drilling will not disturb the surface of the area or otherwise interfere with the use being made of it.



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

IN REPLY REFER TO

T & R  
U-802

September 8, 1980

Ed Gynn, District Engineer  
USGS, Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

Re: ARCO Oil & Gas Company  
Black Horse Canyon  
Well #31-1, U-14234,  
Sec. 31, T15S, R24E,  
Uintah County, Utah

Dear Mr. Gynn:

A joint field examination was made on September 5, 1980, of the above referenced well site location and proposed access road. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. Traveling off access road right-of-way will not be allowed. The maximum width of access roads (both existing and planned) will be 30 feet total disturbed area, except where backslope and fills require additional area. Turn-outs will not be required. The access road will be crowned and bar ditched where needed. Access will be via the route with the cultural resource clearance.
3. Topsoil will be stockpiled at the south west corner of the site. The BLM recommends that the top four (4) to six (6) inches of soil materials be stockpiled separately from cut material.
4. The BLM must be contacted at least 24 hours prior to any construction activities.



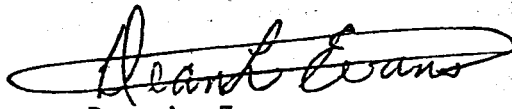
5. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.
6. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well site. Refuse must be contained and hauled to an approved disposal site.
7. A wire mesh or web type fence will be used around the reserve pits. At least two strands of barbed wire will top this fence.
8. The reserve pit may be moved toward the northeast corner of the pad. Its maximum size will be 50 X 130 feet.
9. Reserve pits will be at least half their depths below the natural ground surface.
10. In order to minimize watershed damage, exploration, drilling, and other development activity will be allowed only during the period from April 30 to November 1. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically authorized in writing by the District Engineer, Geological Survey, with the concurrence of the District Manager, Bureau of Land Management.

An archaeological study has been conducted by Powers Elevation Company. No cultural resources were located.

The proposed activities do not jeopardize listed, threatened, or endangered flora, fauna, or their habitats.

The BLM representative will be Ron Rogers, 789-1362.

Sincerely,



Dean L. Evans  
Area Manager  
Bookcliffs Resource Area

cc: USGS, Vernal

FROM : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-14234

OPERATOR: ARCO OIL & GAS Co.

WELL NO. 31-1

LOCATION: 1/4 NW 1/4 SW 1/4 sec. 31, T. 15S., R. 24E., SLM

Uintah County, UTAH

1. Stratigraphy: *Operator's tops seem reasonable.*

2. Fresh Water: *Usable water may be encountered in the sands of the Green River fm.*

3. Leasable Minerals:

*Coal beds may be encountered in the Mesaverde and in the lower member of the Mancos Shale.*

4. Additional Logs Needed: *Operator's logs seem adequate & should be run through the coal intervals in the Mesaverde.*

5. Potential Geologic Hazards: *not anticipated by the operator.*

6. References and Remarks: *none*

Signature: E. Banesh

Date: 9 -17 -80

17'30"

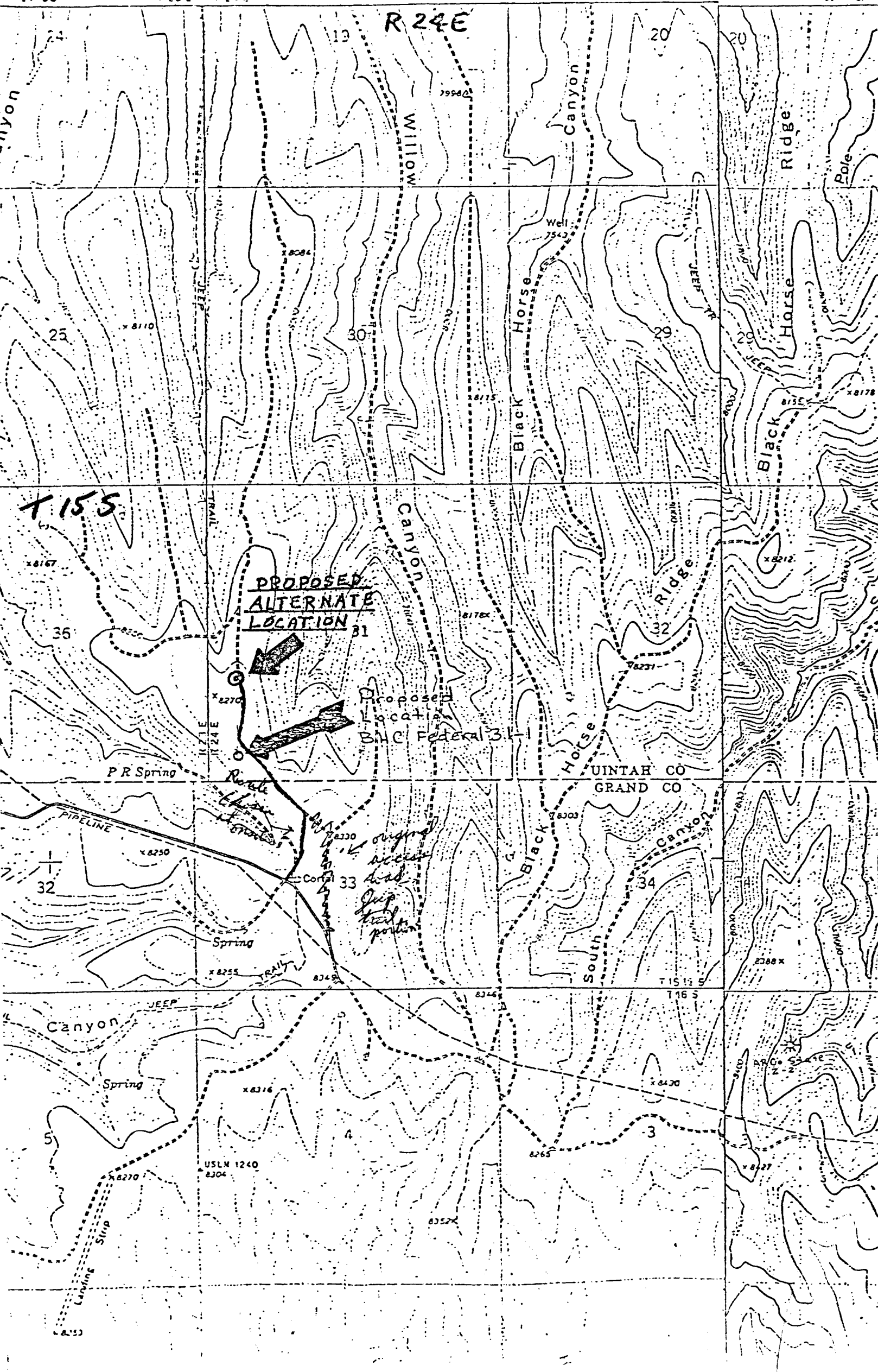
R 23 E R 24 E

12 630 000 FEET

650

109.15"

65,100m E



## EXHIBIT "D"

## MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Attached to Form 9-331C

Pogo Producing Company  
Wyman Draw Prospect  
NE SE Sec. 8 T45N R89W  
2390' FSL & 520' FHL  
Washakie County, Wyoming

ARCO Oil & Gas Company  
#31-1 Black Horse Canyon - Federal  
NWSE Sec. 31 T45S R24E  
1820' FSL & 500' FHL  
Uintah County, ~~Utah~~ Utah

16 Do not program  
any spaces or  
punctuation after  
stops. Can add  
"S" to end of  
words, and be  
consistent also so  
typist will always  
know what to  
expect.

## 1. Existing Roads

- A. The proposed well site and elevation plat is shown as EXHIBIT "A". Staking included two directional reference stakes and elevations, also shown on EXHIBIT "A".

- B. The distance from Mack, Colorado is 40.5 miles. Proceed West 8.9 miles on Highway #6 (2 lane oil road) to 2 lane dirt road; thence go Northwest (right) 16.0 miles to a "Y" (Gas Plant on left); thence go West (left) 4.4 miles to "Y" and turn right; thence go 0.2 mile to "Y" and turn right; thence go 2.9 miles to "Y" and turn North (microwave station on left); thence go 0.5 mile to "Y"; thence go 5.9 miles to intersection and go straight; thence go 1 mile to "Y" and turn right on 1 lane dirt road (sign - P.R. Springs); thence go 0.2 miles and turn right on jeep trail to "Y"; thence turn left and go 0.5 mile to location, as shown on EXHIBITS "E" & "E<sub>1</sub>".

and go  
straight

- C. All roads to location are color-coded on EXHIBIT stop "E". [An access road 0.6 mile from the existing gravel road will be required, as shown on EXHIBIT stop "E"] no new access road required

Typist: Type  
"N/A" for  
D. or E.

- D. \* This is an exploratory well. All existing roads within a three-mile radius are shown on EXHIBIT stop "E".
- E. \* This is a development well. All existing roads within a one-mile radius are shown on EXHIBIT stop "E".

- F. OKV [The existing roads need no improvement. Maintenance will be performed as required.]

## 2. Planned Access Roads

- X Map showing all necessary access roads to be constructed or reconstructed is shown as EXHIBIT "E" for the following: no more than 270

no new access road will be required. Access to the location is on existing roads.

OKV



A. Drilling

- (1) Width
- (2) Maximum grades
- (3) Turnouts
- (4) Drainage design
- (5) Location and size of culverts and brief description of any major cuts and fills
- (6) Surfacing material
- (7) Necessary gates, cattleguards, or fence cuts
- (8) (New or reconstructed roads are to be center-line flagged at time of location staking.) BLM or USFS ownership.

B. Production

3. Location of Existing Wells

For all existing wells within <sup>X</sup>~~one~~<sup>one</sup> mile radius of <sup>X</sup>~~Development/~~<sup>Development/</sup> ~~Exploratory~~ well, see EXHIBIT "F".

- (1) There <sup>X</sup>~~are~~<sup>are</sup> no water wells within a one-mile radius of this location.
- (2) There ~~is~~ one abandoned well in this one-mile radius.
- (3) There ~~are~~ no temporarily abandoned wells
- (4) There ~~are~~ no disposal wells
- (5) There ~~are~~ no wells presently being drilled.
- (6) There ~~are~~ no producing wells within this one-mile radius.
- (7) There ~~are~~ no shut-in wells
- (8) There ~~are~~ no injection wells
- (9) There ~~are~~ no monitoring or observation wells for other uses.

Typist:  
watch  
punctuation

4. Location of Existing and/or Proposed Facilities

- A. Within a one-mile radius of location, the following existing facilities are owned or controlled by ~~Pogo Producing Company~~ or other lessee/operator:

*ARCO Oil & Gas Company*

(1) Tank Batteries: *X None*

(2) Production Facilities: *X None*

(3) Oil Gathering Lines: *X None*

(4) Gas Gathering Lines: *X Yes. One - 400' SW of turnoff to P.R. Springs*

(5) Injection Lines: *X None*

(6) Disposal Lines: *X None*

- B. If production is obtained, new facilities will be as follows:

(1) Production facilities will be located on ~~solid ground of~~ *X* ~~out area of~~ drill pad, as shown on EXHIBIT "G".

(2) All well flow lines will be buried and will be on the well site and battery site.

(3) Production facilities will be *X 225* feet long and *X 100* feet wide. Areas of drill pad not required for production facilities will be rehabilitated.

(4) All construction materials for battery site and pad will be obtained from site. No additional material from outside sources is anticipated.

(5) Any necessary pits will be fenced and flagged to protect livestock and wildlife.

- C. Rehabilitation, whether well is productive or dry, will be made on all unused areas in accordance with ~~B.L.P.~~ stipulations.

*BLM*

5. Location and Type of Water Source

A\* The source of water will be ~~Green Bug Reservoir in SW SW of Sec. 17 T45N R89W, or from Norwood Creek at Tensleep, as shown on EXHIBIT "E".~~

*East Canyon & E 1/2 Sec. 5 T16S R25E, as shown on Exhibit E. Necessary water permits are being applied for by ARCO Oil & Gas Company*

B\* Water will be transported by truck over existing roadways, *as shown on EX "E"*

C\* No water well is to be drilled on this lease.

## 6. Construction Materials

- A. No construction materials are needed for drilling well or constructing access roads into the location during drilling. The surface soil materials will be sufficient ~~or will be provided by the Dirt Contractor as needed.~~
- B. No construction materials will be taken off <sup>\*</sup>~~Federal/Indian~~ land.
- C. All surface soil materials for construction of access roads for drilling are sufficient. If well is productive, and material from road and pad grading is not sufficient, ~~surfacing materials will be~~ *surfacing materials will be provided by Ross Construction of*
- D. All major access roads presently exist as shown on EXHIBIT "E". *Uernal Utah*

## 7. Handling of Waste Materials and Disposal

- (1) Drill cuttings will be buried in the reserve pit.
- (2) Drilling fluids will be handled in the reserve pit.
- (3) <sup>1/4</sup>Any fluids produced during drilling test or while making production test will be collected in a test tank. If a test tank is not available during drilling, fluids will be handled in reserve pit. Any spills of oil, gas, salt waters or other noxious fluids will be cleaned up and removed. If well is productive, produced water will be disposed of on-site for 30 days only, or 90 days with permission of District Engineer. After that time application will be made for approval of permanent disposal method in compliance with NTL-2b.
- (4) Chemical facilities will be provided for human waste.
- (5) Garbage and non-flammable waste and salt and other chemicals produced during drilling or testing will be handled in trash pit. Flammable waste will be disposed of in burn pit. Drill fluids, water, drilling mud and tailings will be kept in reserve pit, as shown on EXHIBIT "H". ~~The~~ trash/burn pit will be totally enclosed with small mesh wire to prevent wind scattering trash before being burned, buried or removed. Reserve pit will be fenced on three sides during drilling and fourth side fenced upon removal of the rig.
- (6) After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. All dangerous open pits will be fenced during drilling and kept closed until such time as the pit is leveled.

## 8. Ancillary Facilities

No air strip, camp or other facilities will be built during drilling of this well.

Typist:  
Paragraph  
Advance  
for  
Casper USGS

Editor:  
Check  
Colorado

9. Well Site Layout

Hand Junction,  
Colorado.

- (1) EXHIBIT "G" is the Drill Pad Layout as staked, with elevations, by Powers Elevation of ~~Casper, Wyoming.~~ Cuts and fills have been drafted to visualize the planned cut across the location spot and to the deepest part of the pad. ~~Anticipated~~ *topsoil stockpile will be 6" or stockpiled per BLM specifications determined at time of pre-drill inspection.*
- (2) EXHIBIT "H" is a plan diagram of the proposed rig and equipment, reserve pit, trash/burn pit, pipe racks and mud tanks, access road, parking and turnaround. No permanent living facilities are planned. There will be a trailer on site.
- (3) EXHIBIT "G" is a diagram showing the proposed production facilities layout.
- (4) The reserve pits will not be lined. *The soil is sandy-clay loam.*

10. Plans for Restoration

- (1) If well is abandoned, site will be retored to original condition as nearly as possible. Backfilling, leveling and contouring are planned as soon as all pits have dried. Waste disposal and spoils materials will be buried or hauled away to an approved sanitary landfill immediately after drilling is completed. If production is obtained, the unused area will be restored as soon as possible.
- (2) The soil banked material will be spread over the area. Revegetation will be accomplished by planting mixed grasses as per formula provided by the ~~BLM and the surface owner.~~ Revegetation is recommended for road area, as well as around drill pad.
- (3) Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock or wildlife from entering; and the fencing will be maintained until leveling and cleanup are accomplished.
- (4) If any oil is on the pits and is not immediately removed or burned after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- (5) The rehabilitation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Planting and revegetation is considered best in *\* Fall, 1981,* unless requested otherwise.

11. Other Information

- (1)\* The soil is a sandy-clay loam. No distinguishing geological features are present. The area is covered with ~~brush~~, sagebrush, ~~scrub oak, oak brush & range grass~~. There are livestock, rabbits, ~~snakes~~, birds and deer in the area. The ~~topography is gently rolling East-Northeast.~~ The location is on a ridge running South to North with drainage to the North.

- (2) The primary surface use is for ~~grazing~~ <sup>grazing</sup>. The surface is owned by the U.S. Government. <sup>BLM ownership of access roads is shown on Ex "E".</sup> There is no private ownership of access roads.

- (3) The closest live water <sup>are springs in East Canyon and this Canyon,</sup> ~~is Norwood River at Tensleep, 4 miles Northeast of location,~~ as shown on EXHIBIT ~~"A"~~.

<sup>are in Mack, Colorado</sup>  
The closest occupied dwellings ~~are farms located along the Norwood River 4 miles East of the proposed site,~~ as shown on EXHIBIT ~~"A"~~.  
"E"

There were no archaeological, historical, or other cultural artifacts apparent to Powers' surveyors during their staking of this location. However, a complete, standard cultural resource (including archaeological) survey will be conducted by a qualified archaeologist, and a report submitted to the ~~BLM~~ <sup>BLM</sup> prior to any surface disturbance.

- (4) There are no reported restrictions or reservations noted on the oil and gas lease. ~~However, BLM/USGS recommendations are...~~
- (5) Drilling is planned for on or about <sup>August 15</sup>. It is anticipated that the casing point will be reached within ~~30~~ <sup>30</sup> days after commencement of drilling ~~8~~.

12. Lessee's or Operator's Representative

George Lapaseotes  
Agent Consultant for  
x *ARCO Oil & Gas Company*  
600 South Cherry Street  
Suite 1201  
Denver, Colorado 80222  
Phone (303) 321-2217

Mike Mudgett  
Exploration Manager  
Pogo Producing Company  
1240 First of Denver Plaza  
633 - 17th Street  
Denver, Colorado 80202  
Phone (303) 572-3739

*Marc Smith*  
*ARCO Oil and Gas Company*  
*717 17th Street*  
*Suite 1810*  
*Denver, Colorado 80217*  
*Phone (303) 575-7102*

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by x *ARCO Oil & Gas Co.* and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

\_\_\_\_\_  
Date

\_\_\_\_\_  
George Lapaseotes  
Agent Consultant for  
x *ARCO Oil & Gas Company*



# United States Department of the Interior

GEOLOGICAL SURVEY

Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

December 17, 1980

Certified Mail  
Return Receipt Requested

Mr. W. A. Walther, Jr.  
Operations Manager  
Arco Oil & Gas Company  
P.O. Box 5540  
Denver, CO 80217

Re: Black Horse Canyon  
Well # 31-1  
NW $\frac{1}{4}$  SW $\frac{1}{4}$  Sec. 31, T.15S, R.24E  
Uintah County, Utah  
Lease U-14234

Dear Mr. Walther:

The Application for Permit to Drill for the referenced well was submitted under date of August 7th, 1980, received in this office August 8th, 1980 and approved September 6th, 1980. The BLM, Vernal, Utah, by letters dated July 24th, September 8th (part 10) and October 9th, 1980 stated that "drilling and other development activity will be allowed only during the period from April 30th to November 1st." By letter of November 12th, 1980, Arco Oil and Gas requested exceptions to this restriction.

A Notice of Spud of 12 $\frac{1}{4}$ " hole was made December 12th, 1980 by Arco. Further information indicated that a large rig was not available to timely commence this hole and the hole was commenced with a small rig while a contract was sought for a large rig. However, release of the smaller rig and procurement of the larger rig would place resumption of diligent operations as late as mid-February, 1981. Activities at this period of time would definitely be contrary to the BLM restrictions.

Accordingly, you are directed to shut-in operations with completion of the 12 $\frac{1}{4}$ " hole and running and cementing the 9 5/8" surface casing. Our records indicate that this lease has an expiration date mid-night March 31st, 1981. Your activities will be considered diligent (from the date of shut-down until operations resume for any lease extensions) until the restrictions of BLM are lifted and operations are resumed and continued diligently. A preliminary extension letter will be prepared prior to the expiration of this lease. Resumption of diligent operations will then earn the lease extension.

12-19-80

1- L M  
1- G H

Please submit a Sundry Notice on completion of setting the 9 5/8" surface casing that reflects date of spud, hole size and depth, casing size and depth, cement used, when the plug was bumped and the small rig released.

Sincerely,

A handwritten signature in dark ink, appearing to read 'E. W. Guynn', with a long horizontal flourish extending to the right.

E. W. Guynn  
District Oil & Gas Supervisor

cc: BLM, Vernal  
BLM, State Office, SLC  
USGS, Vernal



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form Approved.  
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1820' FSL & 500' FWL (NWSW)

AT TOP PROD. INTERVAL:

Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON\* ☐

(other) N.O. spud & set surface casing

SUBSEQUENT REPORT OF:

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

MI & RU. Spud @ 9:00 am 12-9-80. Drilled to 346'. Ran 9 jts 9-5/8", 36#, K-55, ST&C casing and set @ 341'. Cemented with 200 sx Class "H" cement with 2% CaCl<sub>2</sub>. Good returns to surface. P.D. @ 1:13 pm 12-11-80. Released rig @ 1:13 pm 12-11-80. Installed thread protectors with welded plate and rig moved out.

See attached BLM letter dated October 9, 1980 restricting operations in the Bookcliffs to the period of April 30th to November 1st.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther, Jr. TITLE Operations Manager DATE 12-18-80

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DEC 22 1980

\*See Instructions on Reverse Side

DIVISION OF  
OIL, GAS & MINING



BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

October 9, 1980

ARCO Oil & Gas Company  
717 17th Street, Suite 1810  
Denver, Colorado 80202

RE: Severe Winter Conditions

Dear Sir:

Higher elevations in the Bookcliffs are subject to severe winter conditions. Heavy snows in the winter make construction particularly damaging to the surface resources in these areas. Heavy snow pack makes it difficult if not impossible for heavy equipment operators to see what they are doing to the ground. As a result of this, there is a tendency to disturb areas larger than needed. During spring thaw, soils become saturated with moisture and excessive rutting and erosion occurs.

In order to mitigate these adverse effects and minimize watershed damage; exploration, drilling and other development activity will be allowed only during the period from April 30th to November 1. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically authorized in writing by the District Engineer, Geological Survey, with the concurrence of the District Manager, Bureau of Land Management.

If you have any questions concerning this matter, contact Cory Bodman, 789-1362.

Sincerely,

Dean L. Evans  
Area Manager  
Bookcliffs Resource Area

RECEIVED

OCT 15 1980

T. N. BURDETTE

RECEIVED

DEC 22 1980

DIVISION OF  
OIL, GAS & MINING



April 2, 1981

Division of Atlantic Richfield  
ARCO Oil and Gas Company  
P.O. Box 5540,  
Denver, Colorado 80217

Re: Well No. 31-1  
Sec. 31, T. 15S. R. 24E.  
Uintah County, Utah  
(January 1981 - March 1981)

Gentlemen:

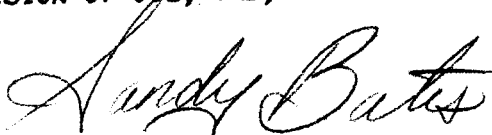
Our records indicate that you have not filed the Monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



SANDY BATES  
CLERK-TYPIST

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒  
well well other

2. NAME OF OPERATOR ARCO Oil & Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P. O. Box 5540, Denver, CO 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1820' FSL & 500' FWL (NWSW)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) N.O. temporary suspension of drilling operations

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

January, 1981

Drilling operations temporarily suspended 12/11/80 (See attached BLM letter dated October 9, 1980, restricting operations in the Bookcliffs to the period of April 30th to November 1st. Also, see attached USGS letter dated December 17, 1980, directing Operations to be shut-in after cementing 9-5/8" casing.).

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther, Jr. TITLE Operations Manager DATE 4/6/81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE  
U-14234

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
--

7. UNIT AGREEMENT NAME  
--

8. FARM OR LEASE NAME  
Black Horse Canyon - Federal

9. WELL NO.  
31-1

10. FIELD OR WILDCAT NAME  
Black Horse Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
31-15S-24E

12. COUNTY OR PARISH  
Utah

13. STATE  
Utah

14. API NO.  
43-047-30765

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8262' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P. O. Box 5540, Denver, CO 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1820' FSL & 500' FWL (NWSW)

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON\* ☐

(other) N.O. temporary suspension of drilling operations

5. LEASE  
U-14234

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February, 1981

Drilling operations temporarily suspended 12/11/80 (See attached BLM letter dated October 9, 1980, restricting operations in the Bookcliffs to the period of April 30th to November 1st. Also, see attached USGS letter dated December 17, 1980, directing Operations to be shut-in after cementing 9-5/8" casing.).

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther, Jr. TITLE Operations Manager DATE 4/6/81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐  
well well  
2. NAME OF OPERATOR ARCO Oil & Gas Company  
Division of Atlantic Richfield Company  
3. ADDRESS OF OPERATOR  
P. O. Box 5540, Denver, CO 80217  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17  
below.)  
AT SURFACE: 1820' FSL & 500' FWL (NWSW)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,  
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) N.O. temporary suspension of drilling operations

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

March, 1981

Drilling operations temporarily suspended 12/11/80 (See attached BLM letter dated October 9, 1980, restricting operations in the Bookcliffs to the period of April 30th to November 1st. Also, see attached USGS letter dated December 17, 1980, directing Operations to be shut-in after cementing 9-5/8" casing.).

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther, Jr. TITLE Operations Manager DATE 4/6/81  
W. A. Walther, Jr.  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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U-14234  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
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7. UNIT AGREEMENT NAME  
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8. FARM OR LEASE NAME  
Black Horse Canyon - Federal  
9. WELL NO.  
31-1  
10. FIELD OR WILDCAT NAME  
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11. SEC., T., R., M., OR BLK. AND SURVEY OR  
AREA  
31-15S-24E  
12. COUNTY OR PARISH  
Utah  
13. STATE  
Utah  
14. API NO.  
43-047-30765  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8262' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P. O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1820' FSL & 500' FWL NW SW  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) N.O. RESUME DRILLING OPERATIONS		

5. LEASE  
U-14234

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Black Horse Canyon - Federal

9. WELL NO.  
31-1

10. FIELD OR WILDCAT NAME  
Black Horse Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
31-15S-24E

12. COUNTY OR PARISH  
Utah

13. STATE  
Utah

14. API NO.  
43-047-30765

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8262' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well was suspended on 12-11-80 after 9-5/8" casing was cemented @ 341'. VECO Rig #3 should finish rigging up today and drilling out from under the 9-5/8" casing should resume this p.m.

(SEE APPROVED SUNDRY NOTICE OF 12-30-80.)

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther, Jr. TITLE Operations Manager DATE 5-22-81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐  
2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company  
3. ADDRESS OF OPERATOR  
P. O. Box 5540, Denver, Colorado 80217  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1820' FSL & 500' FWL NW SW  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) N.O. setting intermediate casing

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

VECO Rig 3 resumed drilling operations on May 23, 1981. Drilled to 4225'. Logged. Ran 90 jts 7", 23# casing and set @ 4177'. Cemented with 100 bbls water ahead and then mixed 200 sx 50/50 poz mix and displaced with 165½ bbls water. P.D. @ 2:15 pm 6-4-81. Had good returns to surface.

Tested BOP to 1100 psi - held OK.

Drilling ahead.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther, Jr. TITLE Operations Manager DATE 6-8-81  
W. A. Walther, Jr.

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE  
U-14234  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---  
7. UNIT AGREEMENT NAME  
---  
8. FARM OR LEASE NAME  
Black Horse Canyon - Federal  
9. WELL NO.  
31-1  
10. FIELD OR WELL CAT NAME  
Black Horse Canyon  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
31-15S-24E  
12. COUNTY OR PARISH 13. STATE  
Utah Utah  
14. API NO.  
43-047-30765  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8262' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF  
OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐ **CONFIDENTIAL**

2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P. O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1820' FSL & 500' FWL NW SW  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) N.O. setting liner		

5. LEASE  
U-14234

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME

Black Horse Canyon - Federal

9. WELL NO.

31-1

10. FIELD OR WILDCAT NAME

Black Horse Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

31-15S-24E

12. COUNTY OR PARISH

Utah

13. STATE

Utah

14. API NO.

43-047-30765

15. ELEVATIONS (SHOW DF, KDB, AND WD)

8262' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilled to 7913' and logged. RU & ran 4-1/2" liner hanger; 91 jts 4-1/2" 10.5# & 35 jts 4-1/2", 11.6# and set @ 7910'-4008'. Cemented with 25 bbls KCL water flush. Disp 91 bbls. Used 375 sx 50/50 poz mix with 2% gel, 1-3/4 lbs KCL/sx, 5/10% CFR-2/sx and 1/4# flocele/sx; 2nd stage 125 sx 50/50 poz mix with 2% gel (Class "H" cement and poz mix A), 2% EA-1 and 5/10% CFR-2. Circulated.

Released rig 12:00 midnite 6-16-81.

WO Completion.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther, Jr. TITLE Operations Manager DATE 6-19-81  
W. A. Walther, Jr.

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒  
well well other2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1820' FSL &amp; 500' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON\* ☐(other) N.O.I. Move In Completion Unit

5. LEASE

U-14234

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

---

7. UNIT AGREEMENT NAME

---

8. FARM OR LEASE NAME

Black Horse Canyon - Federal

9. WELL NO.

31-1

10. FIELD OR WILDCAT NAME

Black Horse Canyon

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA

31-15S-24E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

14. API NO.

43-047-30765

15. ELEVATIONS (SHOW DF, KDB, AND WD)

8262' GL

**CONFIDENTIAL**

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Propose to MI &amp; RU Welltech Rig on approximately September 18, 1981 to complete this well.

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED W.A. Walther, Jr. TITLE District Manager DATE September 16, 1981  
W.A. Walther, Jr. of Production

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P. O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1820' FSL & 500' FWL  
AT TOP PROD. INTERVAL: Approx the same  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>

(other) Construction of Production Facilities

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

ARCO Oil and Gas Company, Division of Atlantic Richfield Company, hereby submits application for construction of production facilities.

Pipeline R-O-W has been approved by BLM in Vernal, Utah 10-19-81.

13 Point Surface Use and Operations Plan attached.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

18. I hereby certify that the foregoing is true and correct

SIGNED W.A. Walther, Jr. TITLE District Manager DATE October 20, 1981  
of Production

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE  
U-14234

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Black Horse Canyon Federal

9. WELL NO.  
31-1

10. FIELD OR WILDCAT NAME  
Black Horse Canyon

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
31-15S-24E

12. COUNTY OR PARISH  
Utah

13. STATE  
Utah

14. API NO.  
43-047-30765

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8262' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

enclosure

## SURFACE USE AND OPERATIONS PLAN

Black Horse Canyon Federal #31-1  
NW SW Section 31-15S-24E  
Uintah County, Utah

### 1. EXISTING ROADS

- A. The proposed pipeline is shown on topo map.
- B. The distance from Mack, Colorado, is 40.5 miles. Proceed West 8.9 miles on Highway #6 (2-lane oil road) to 2-lane dirt road; thence go Northwest (right) 16.0 miles to a "Y" (Gas Plant on left); thence go West (left) 4.4 miles to "Y" and turn right; thence go 0.2 mile to "Y" and turn right; thence go 2.9 miles to "Y" and turn North (microwave station on left); thence go 0.5 mile to "Y" and go straight; thence go 5.9 miles to intersection and go straight; thence go 1 mile to "Y" and turn right on 1-lane dirt road (sign - P.R. Springs); thence go 0.2 miles and turn right on jeep trail to "Y"; thence turn left and go 0.5 mile to location.
- C. All roads to and along pipeline are on topo map.
- D. N/A
- E. N/A
- F. All roads to and along the pipeline are existing and need no improvement.

### 2. PLANNED ACCESS ROAD - N/A

### 3. LOCATION OF EXISTING WELLS - N/A

### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Within one mile radius of pipeline, the following existing facilities are owned or controlled by lessee/operator:
  - (1) Tank Batteries: None
  - (2) Production Facilities: None
  - (3) Oil Gathering Lines: None
  - (4) Gas Gathering Lines: Yes, as shown on map
  - (5) Injection Lines: None
  - (6) Disposal Lines: None

Black Horse Canyon Federal #31-1  
NW SW Section 31-15S-24E  
Uintah County, Utah

B. New facilities will be as follows:

- (1) The length of the pipeline will be 4500 feet, from the production facilities to the tie in point.
- (2) Three inch steel pipeline, will be laid on top of the ground in 20' right-of-way, as shown on survey plat. The production facilities will be located as shown on the wellsite plat.
- (3) The pipeline is route flagged with bright flouresent flagging tape to clearly mark the layout. The pipeline will be laid beside the road, as shown on pipeline plat.

5. LOCATION AND TYPE OF WATER SOURCE - N/A

6. CONSTRUCTION MATERIALS

No construction materials are needed for the construction of the pipeline. The surface soil materials will be sufficient, if needed.

7. HANDLING OF WASTE MATERIALS AND DISPOSAL

All materials and trash will be cleaned up and no adverse materials will be left on the pipeline Right-of-Way.

8. ANCILLARY FACILITIES - N/A

9. PIPELINE LAYOUT

As shown on topographic map and pipeline plat

10. PLANS FOR RESTORATION

Will be done in accordance with B.L.M. stipltuations

11. OTHER INFORMATION

- (1) The soil is a sandy loam. No distinguishing geological features are present. The area is covered with cactus, sagebrush, pinon pine, juniper, oakbrush and native grasses. There are livestock, rabbits, deer and other animals indigenous to the area. The topography is steep canyons with the location being on a gently sloping ridgetop.
- (2) The primary surface use is for grazing. The surface is owned by the U.S. Government.
- (3) There are no dwellings within 3 miles of the pipeline. No cultural or historic artifacts were observed during the staking of this pipeline. Archaeology was performed by Fred Frampton with no finds.

Black Horse Canyon Federal #31-1  
NW SW Section 31-15S-24E  
Uintah County, Utah

- (4) Construction is planned to start immediately. Construction should take 10 to 14 days.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

W. A. Walther, Jr.  
(303) 575-7031  
575-7153

C. E. Latchem  
(303) 575-7127  
575-7152

ARCO Oil and Gas Company  
Division of Atlantic Richfield Company  
P. O. Box 5540  
Denver, Colorado 80217

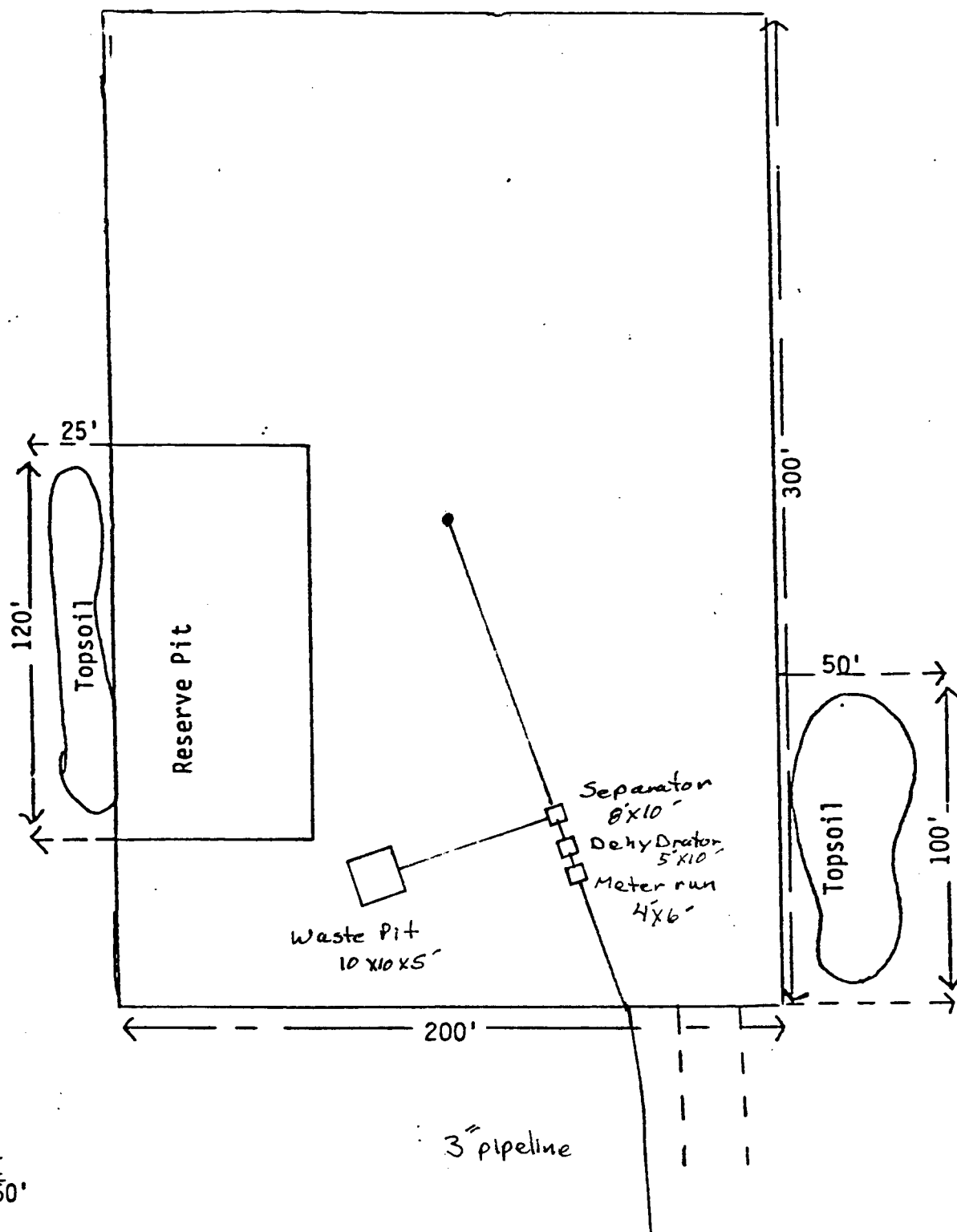
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed pipeline; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by ARCO Oil and Gas Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

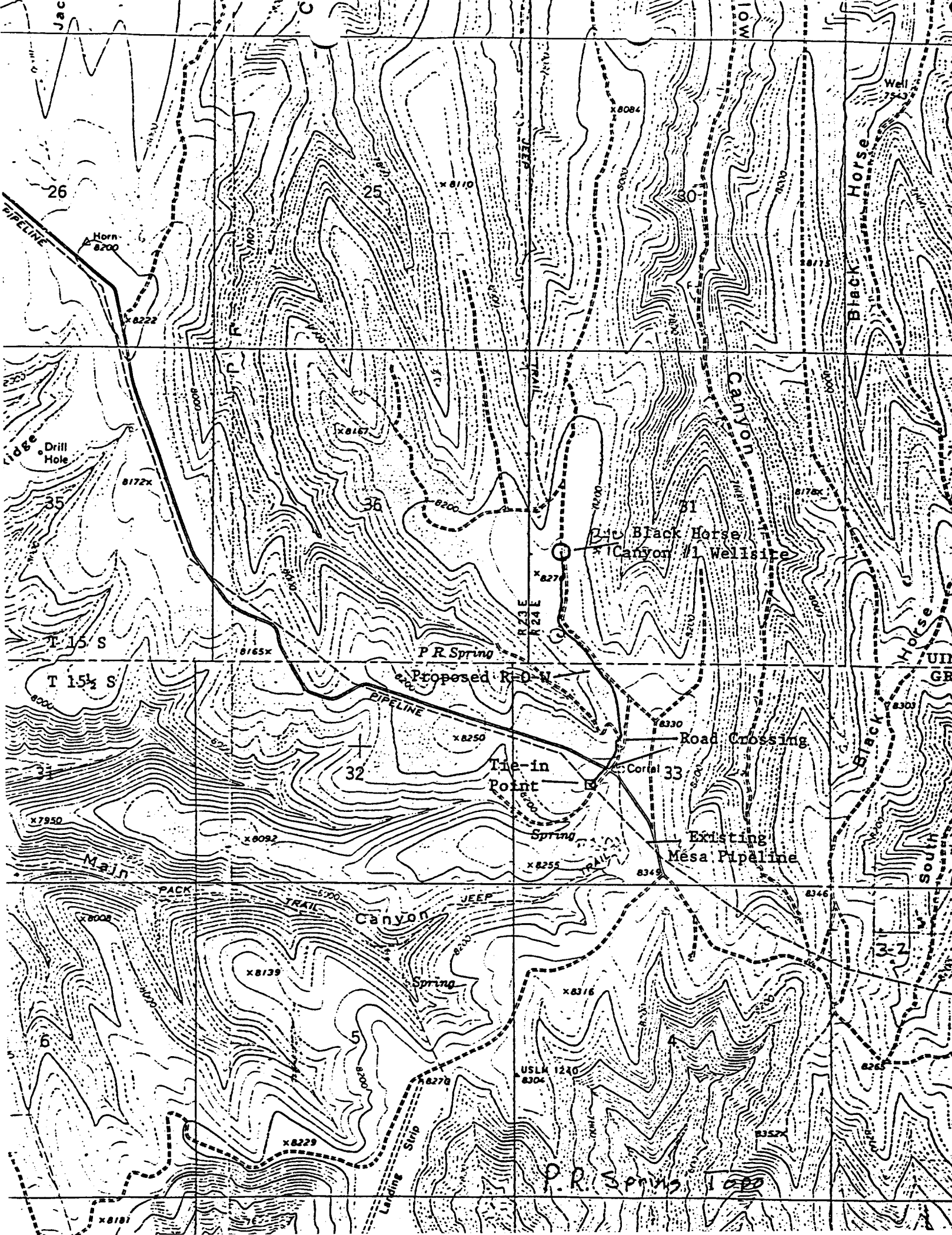
\_\_\_\_\_  
Date

\_\_\_\_\_  
W.A. Walther, Jr.  
District Manager of Production

ARCO Oil & Gas Company  
#31-1 Black Horse Canyon Federal  
NW SW Sec. 31 T15S R24E  
1820' FSL & 500' FWL  
Uintah County, Utah



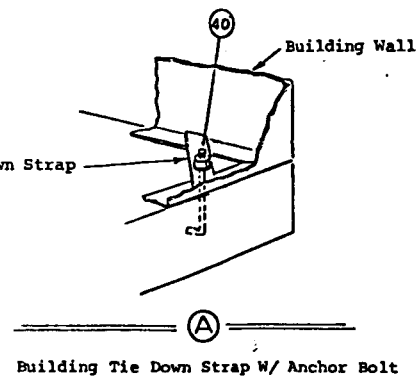
SCALE  
1" = 50'





FITTINGS		DESCRIPTION	QTY	UNIT
		SCRD TEE		
"		WAGE		
		45" L.W. WELD EL		
		90" L.R. WELD EL		B
		ELV UNION	3000	
		COUPLING	3000	
"		COUPLING	3000	
		THRD PLUG	3000	
		THRD PLUG	3000	
		TD PLUG	3000	
		SD PLUG	3000	
		OLET	30	
		90" L.R. WELD EL		F
		COUPLING	30	
		TD TEE		E
		L.R. WELD RED EL		B

GASKETS		QTY
DESCRIPTION		AMOUNT
ASBESTOS FULL FACE		600

[illegible]

**Building Tie Down Strap W/ Anchor Bolt**

MESA PIPELINE COMPANY		
STANDARD LEFT HEAD HOOK UP FACILITY		
DESIGN	DRAWN THORNBURG	APPROVED <i>Don't</i>
DATE 3-5-75	REFERENCE DWA-80	
SCALE 1"=10'	ASSEMBLY NO.	
JOB NO.	REVISIONS 5-25-78 P.M.G.	
DRAWN BY		

12/10/80	267	Day-1, Ftg-267. Drlg w/air. Spud well 9 am 12/9/80. Drld to 267' & SDON.
12/11/80	346	Day-2, Ftg-79. Drlg w/air. Drld 12-1/4" hole to 346'.
12/12/80	346	Day-3, Ftg-0. Temporarily suspend operations. POH. Ran 9 jts 9-5/8" 36# ST K-55 csg (343.6') @ 341' GL. Cmt'd w/200 sx Cl "H" cmt w/gd 2% CaCl. Gd returns & cmt to surf. PD 1:13 pm 12/11/80. RR 1:13 pm. Instl'd thread protector w/welded plate. (Drop f/report until drlg operations continue.)
5/22/81	346	Day-4, Ftg-0. NU csg hd. Well was suspended since 12/11/80 when 9-5/8" csg was cmt'd. Veco rig #3 should fin RU today & drlg out f/under 9-5/8" resumed this pm. (Dropped f/report of 12/12/80.)
5/23/81	346	Day-4, Ftg-0. NU BOP.
5/24/81	370	Day-5, Ftg-24. Drld. Mud: 8.9#, vis 38. Fin NU BOPE & tst 1100# - OK. Instl flw line. PU BHA. RIH. Tag 300'. Drld out. Drld ahead. 1-1/2" @ 325'.
5/25/81	908	Day-6, Ftg-538. Drlg. Mud: 9.2#, vis 36, WL 8.8. Drld ahead. No problems. 1-1/2" @ 325', 1" @ 735'.
5/26/81	1457	Day-7, Ftg-549. Drlg. Mud: 9#, vis 37, WL 7. No hole problems. 3/4" @ 1026' & 1276'.
5/27/81	1960	Day-6 (corr'd), Ftg-503. Drlg. Mud: 9.2#, vis 37, WL 7. Drlg ahead. Wrk on desander to bring MW dn. No problems. Hole cln'g up real well. 0" @ 1650'.
5/28/81	2325	Day-7, Ftg-365. Drlg. Mud: 9.2#, vis 36, WL 7.6. Drlg ahead w/o problems. 3/4" @ 2179'.
5/29/81	2730	Day-8, Ftg-405. Drlg. Mud: 9.1#, vis 37, WL 7.0. Strapped 7" 23# K-55 LT&C csg - less thds = 4186.98'. Csg being drifted t 6.25" ID. 3/4" @ 2500'.
5/30/81	2960	Day-9, Ftg-230. Drlg. Mud: 9.2#, vis 38, WL 6.4. Drlg shale that was swelling - pld w/60,000 overstring wt. 1/2" @ 2877'.
5/31/81	3368	Day-10, Ftg-408. Drlg. Mud: 9.3#, vis 37, WL 7. Drlg ahead. Geologist found coal @ 3200'. 3/4" @ 3377'.
6/1/81	3785	Day-11, Ftg-417. Drlg. Mud: 9.2#, vis 40, WL 6.4. Drlg ahead. Little tite hole problem @ 3500'. 1" @ 3650'.
6/2/81	4050	Day-12, Ftg-265. Drlg. Mud: 9.3#, vis 40, WL 6.2. Drlg ahead. 1" @ 3850'.
6/3/81	4225	Day-13, Ftg-175. Cond hole f/logs - short trip. Mud: 9.3#, vis 55, WL 6. Drld to 4225' @ 1 am. Made 2 short trips, 12 stds & 28 stds - tite hole near btm. Now circ & cond mud. 1" @ 4165'.

6/4/81	4225	Day-14, Ftg-0. Rng 7" csg. Mud: 9.2#, vis 56, WL 6. Finish circ & cond mud & TOH. RU & ran logs. TIH. Circ & cond hole. TOH LD DCs. RU & started rng 7" 23# csg. Est top of Castlegate @ 3878', top lower Mancos @ 4070'.
6/5/81	4225	Day-15, Ftg-0. NU. Wtr. Fin rng 7" 23# K-55 csg. Ran total 90 jts. Csg stopped @ 4100' & had to wsh dn last two jts to 4177' (shoe depth). Lost compl returns. Mixed 300 BM w/20% LCM regaining partial returns, but unable to move csg up or dn & less than 15% returns. Cmt'd 7" csg as foll: Shoe @ 4177' & FC @ 4132' - pmp'd 100 BW ahead, then mixed 200 sx 50/50 Poz (37 bbls slurry) & displ'd w/165.5 BW. PD @ 2:15 pm - bmp'd to 700# above circ'g press. Flts held. Hgd mud returns to surf during entire job. Landed csg w/85M#.
6/6/81	4225	Day-16, Ftg-0. Drlg on FC @ 4113' w/air-mist. WO spool. NU BOPs, chk lines & bouey line. Press tstd BOPs, csg & chk lines to 1100# - OK. TIH to FC & blew hole dry.
6/7/81	4726	Day-17, Ftg-501. Drlg w/air. Drld FC shoe jt & shoe w/air-mist. Blew hole dry & commenced air drlg. 1-1/2" @ 4500', 1-3/4" @ 4726'.
6/8/81	5560	Day-18, Ftg-834. Drlg w/air. Drld ahead. Taking 300' surveys. Dusting. 1-3/4" @ 5260'.
6/9/81	6120	Day-19, Ftg-560. Drlg w/air. Drld f/5560-6120'. 1-3/4" @ 5620', 2" @ 6000'.
6/10/81	6766	Day-20, Ftg-646. Drlg w/air. Drld ahead to Mancos "B" Frontier. Plan bit trip later today. 2-1/4" @ 6764'.
6/11/81	7350	Day-21, Ftg-584. TIH w/bit #4. Drlg w/air. Drlg ahead. 2-1/4" @ 7350.
6/12/81	7740	Day-22, Ftg-390. Drlg w/air (300 psi). Drlg ahead (trying to pick formations). Dakota fm @ 7512'. Expect to reach TD today. 2" @ 7550'.
6/13/81	7840	Day-23, Ftg-100. Drlg w/mud. MW: 9.0, vis 41, WL 6.0. Drld to 7823' w/air. Had gas entry @ approx 7818'. Meas'd flow rate @ 872 MCFD thru choke line after flowing about 2 hrs. Resumed drlg w/air & drld to 7832' & appeared hole wet-tight hole-no dust-nec to rm dn after pick up off btm. POH 10 stds & pmp'd in 35 bbl mud. POH 30 stds pmp'g 35 bbl mud ea 10 stds. Circ & cond mud. WIH had 15' fill. Circ & cond gas cut mud. Resumed drlg w/mud. 2" @ 7550'.
6/14/81	7850	Day-24, Ftg-10. Drlg. MW: 9.0, vis 41, WL 6.0. Drlg 7850' @ 15"/ft ave. 2" @ 7550'.
6/15/81	7913	Day-25, Ftg-52. Logging. MW: 9.0, vis 41, WL 6.5. Ran dual ind., SFL, CNL/FDC, Cyberlook, CBL & Caliperation log. DIL: 7896-4196; FDC: 7900-500; Caliperation: 5900-4189; CNL: 7900-5900; CBL: 4189-2500. 2" @ 7550'.

6/16/81	7910	Day-26. Rng <sup>4-</sup> 1 1/2" liner. MW: 9.0, vis 50. Fin logging. Ran bit & collars & cond hole to run csg. POH, laying dn 4000' of DP. RU to run 4-1/2" liner & SIH n/liner.
6/17/81	7910	Day-27. RD. MW: 9.0, vis 50. Rng liner in hole to 7910'. Lap into 7" csg 169'. 5' stuck up on tool jt above rotary table. Ran 107 jts. 4-1/2" liner set @ 7910' - 4008' top. Landing collar @ 7873'. Cmt'd w/25 bbl wtr flush, pmp'd in 5 BPM @ 1400 psi. Circ press. Displ 91 bbls. Bmp'd plug @ 1:30 pm w/1800 psi. Circ press. Lost circ temporarily w/72 bbls disp. Regained partial returns after 77 bbls disp & had returns rest of time. Used 50/50 poz mx w/2% gel - 375 sx, 1-3/4 lbs KCl/sx, 5/10% CFR-2/sx, 1/4# flocele/sx. 2nd stage 125 sx 50/50 poz mx, 2% gel - Cl "H" cmt poz mx A, 2% EA-1 mxd 8.62#/sx, 5/10% CFR-2. Flat held ok. Saw both plugs hit. Rel'd Hallib @ 2 pm. Rev'd circ 125 bbls mud. LD DP. ND & clng mud pits. Rel'd VECO rig 12 midnite, 6-17-81.
6/18/81	7910	Day-27. Moving out rig.
6/19/81	7910	Day-27. Moving out rig.
6/20-22	7910	Day-27. Moving out rig.
6/23/81	7910	Day-27. Moving out rig.
6/24/81	7910	Day-27. WO completion.
6/25/81	7910	Day-27. WO completion.
6/26/81	7910	Day-27. WO completion.
6/27-29	7910	Day-27. WO completion.
6/30/81	7910	Day-27. WO completion.
7/1/81	7910	Day-27. WO completion.
7/2/81	7910	Day-27. WO completion.
7/3-6	7910	Day-27. WO completion.
7/7/81	7910	Day-27. WO completion.
7/8/81	7910	Day-27. WO completion.
7/9/81	7910	Day-27. WO completion.
7/10/81	7910	Day-27. WO completion.
7/11-13	7910	Day-27. WO completion.
7/14/81	7910	Day-27. WO completion.
7/15/81	7910	Day-27. WO completion.

7/16/81	7910	Day-27. WO completion.
7/17/81	7910	Day-27. WO completion.
7/18-20	7910	Day-27. WO completion.
7/21/81	7910	Day-27. WO completion.
7/22/81	7910	Day-27. WO completion.
7/23/81	7910	Day-27. WO completion.
7/24/81	7910	Day-27. WO completion.
7/25-27	7910	Day-27. WO completion.
7/28/81	7910	Day-27. WO completion.
7/29/81	7910	Day-27. WO completion.
7/30/81	7910	Day-27. WO completion.
7/31/81	7910	Day-27. WO completion.
8/1-3	7910	Day-27. WO completion.
8/4/81	7910	Day-27. WO completion.
8/5/81	7910	Day-27. WO completion.
8/6/81	7910	Day-27. WO completion.
8/7/81	7910	Day-27. WO completion.
8/8-10	7910	Day-27. WO completion.
8/11/81	7910	Day-27. WO completion.
8/12/81	7910	Day-27. WO completion.
8/13/81	7910	Day-27. WO completion.
8/14/81	7910	Day-27. WO completion.
8/15-17	7910	Day-27. WO completion.
8/18/81	7910	Day-27. WO completion.
8/19/81	7910	Day-27. WO completion.
8/20/81	7910	Day-27. WO completion.
8/21/81	7910	Day-27. WO completion.
8/22/81	7910	Day-27. WO completion.

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8/23/81	7910	Day-27. WO completion.
8/24/81	7910	Day-27. WO completion.
8/25/81	7910	Day-27. WO completion.
8/26/81	7910	Day-27. WO completion.
8/27/81 - 9/18		Day-27. WO completion.
9/19/81		Prep to RU Completion Unit. Rig arr. loc. 6:00 P.M. 9-18-81, w/two loads eqpt. Rec'd 1-load 3-1/2" tbg.
9/20/81		Prep to NU BOPE. RU completion unit. Spot pump & tank. Set sub & cat walk. Set 2-sets pipe racks. Offloaded 143 jts. 3-1/2", 9.3#, C-75 AB Mod EUE tbg. Moved 2-3/8" tbg onto racks. (2-3/8" tbg had been randomly dumped in front of the wellhead. Some joints had been marked bent at shop and should not have been sent to loc. Have found 15 bad joints so far.) Weld on piece of 7" casing to stub. Polish off and NU tbg head. Test PO OK. SDON.
9/21/81		RIH w/3-1/2" to CO. NU BOP. Trbl w/accumulator not press. up - possible broken bladder. Installed substructure walls. Drg out cellar & trench to reserve pct. RU power tongs & chg out to 3-1/2" strap 3-1/2" tbg & clean threads. SDFN.
9/22/81		PU tbg (3-1/2). Torque to specifications. RIH w/bit & csg. scraper & 130 jts tbg & 15.7' in on 131st jt. Tagged solid. 3979.01'. Top liner supposed to be 4008'. Rechecked measurements. Rotated w/2000# wt on bit. Very solid - did not appear to be cement. POH w/40 stds. (3-1/2) Shut down overnite.
9/23/81		Prep to clean out to Float Collar. Fin POH w/bit, scraper, & 3-1/2" tbg. Some teeth chipped, appx. 5-1/2" dia f/bit center. Indicated liver top. Sorted new from used 2-3/8" tbg. Makeup bit & scraper f/liver & 127; ts 2-3/8" tbg & RIH. Makeup 64 stds of 3-1/2" tbg. Tagged soft cmt w/64 stds & 15' in on 65th stand. Cement depth 7893'. Set dn 3500#. OK. PU & stand back. Prep to CO.
9/24/81		Fin POH w/2-3/8" tbg. RU to reverse out. Studs wrong for thread size in top on single gate BOP. (1-3/8" course studs sent out w/BOP - single gate has fine threads) Circl out drlg mud & grey wtr @ 7890'. Make up stripping head w/correct studs. Circl & CO to 7902'. Felt solid - acted like rubber. Mix & displace hole w/ 2% KCl. POH w/3-1/2" tbg & 43 stds of 2 3/8" tbg - SLM. SD @ 8:00 P.M. Schlumberger unit on loc for bond log.

9/25/81

RIH w/WRK string.  
Fin POH SLM w/2-3/8" Tbg, Bit & Scraper. FLT CLR MEAS = 7852', corr'd f/yest report. Found error in yest meas. Both straps within 2'. RIH w/CBL GR. Found liner top @ 3976' (3980' SLM). Found btm @ 7844' WL. Run CBL under 1000# CP. POH w/WL. Press TST Csg & BOP, blind rams to 3500# - OK. Rec'd 163 jts new 2-3/8" tbg. RIH w/tbg in Derrick. LD 33 jts used 2-3/8". Loaded out 167 jts of used 2-3/8". Shipped to Casper. All jts of 2-3/8" on loc "should" be new. SDON.

9/26/81

Prep to perforate lower Dakota intervals.  
Picked up 33 jts of new J-55, 2-3/8" EUE tbg and TIH w/2-3/8" & 3-1/2" tbg openended to 7850'. Using Dowell spotted 100 gallons of 7-1/2% HCl acid with 2 gal/1000 L-53 & 10 gal/1000 A-200 (inhibitor) from 7850' (7720' to 7850'). Begin TOH and the high clutch on tongs went out - came out using low clutch which required an extra 2-1/2 to 3 hours to TOH. SDON @ 6:30 P.M.

9/27/81

Prep to POH w/tbg & pkr and run temp survey.  
Schlumberger perforated 1 jet/ft Dakota intervals 7801', 03', 09', 11', 13', 15', 17' & 19' using scallop gun (.32" dia holes). Ran Arrow CS1 packer on 2-3/8 & 3-1/2" tbg to 7668'. Spotted 400 gallon 7-1/2% HCl acid containing 2 gal/1000 of Dowell's L-53 clay stabilizer & 10 gal/1000 of A-206 inhibitor and pumped 20 ball sealers with acid. Closed unloader with acid @ packer & pumped at 3 to 4 BPM at 3100 psi with good ball action & balled off with 2/3 of acid out perforation at 5000 psi. Held 3500 psi for 15 minutes, released pressure & dropped balls. Pumped in remaining acid at 2800 psi at 5 BPM. Bled off pressure & lowered pkr thru perforations. Reset pkr at 7662' & pumped 20 bbls 2% KCL to establish rates & pressures. Pumped 5.1 BPM @ 3500 psi breaking back to 2900 psi. TSI pressure 900 psi, 5" was 500 psi; 10" was 300 psi; 15" was 200 psi. Bled back small amt - released pkr & reversed tbg capacity +20 bbls getting back trace of acid. LTR is 35 bbls. SDON.

9/28/81

Prep to frac lower Dakota  
POH w/pkr & tbg. Well was on sli vacuum. Hadn't taken much wtr over nite. RU Schlum & run base temp. survey. POH. RU #10 setting tool & Baker Model DB retainer prod pkr w/6' mill out extension, X0 & 10' - 2-3/8" pup jt w/Model F nipple w/1.81 profile. RIH & set @ 7720' WL meas. POH w/WL. RIH w/4' seal assembly on 2-3/8" tbg. Pkr @ 7728' tbg meas. Dowell on location. RU for frac. Truck set in place & set up hard line in place & gel mixed. SI & SDON.

9/29/81

Flwg well back.

Sting into packer. Press. tst annulus to 2500#. Set pop off valve. Press. tst surface lines to 7500#. Frbe treat lower Dakota 7801'-7819' using Dowell WF-30 (75Q & 65Q) foam Strtd pad 9:56 a.m., maintained 2000 psi back side.

#of Sd	Type Foam	Cone frac fl	BPM	psi
pad	75Q	1500 gals	12	5700
1#/gal 5000/100 mesh	75Q	1250	12	6000
2#/gal 10000/100 mesh	75Q & 65Q	1750	12/10	6900

Chg treatment program due to high tbg pressures on 2#/gal 100 mesh of 7200 psi.

Spacer	Type Foam	Cone frac fl	BPM	psi
1#/gal 4000/20-40 mesh	75Q	875	10	6900
2#/gal 12000/20-40 mesh	65Q	1400	10	6700
3#/gal 24000/20-40 mesh	65Q	2100	10	6500
	65Q	2800	10	6300

Chg treatment program back to 75Q foam @ end of 3#/gal phase

3.5#/gal 14000/20-40 mesh	75Q	1000	10	6300
4#/gal 16000/20-40 mesh	75Q	1400	10	6400

Total	15000# 100 mesh	Avg trtg press 6500#
	70000# 20/40 mesh	ISIP 6200# gradually dying off to 3700# in 15 mins

Displaced w/50 bbls foam @ 10 BPM.

RU Schlumberger for temp. survey. RIH under 2400 psi. RIH to 3740'. WL unstranded entering grease injector stopping line. POH 200' carefully coming thru injector Broken strand threaded itself back thru injector. POH w/WL & temp tool. Not enough time before flow back to remove bad rope & attempt another survey. Opened up well after 4 hrs. SIW/1800 psi tbg press. Flw'd well back on 1/4" choke opening to full 1", 1st hr tbg press 800#; 2nd hr, 450#; 3rd hr, 50#. Heading up - unloading fluid 1 to 2 BPH. Flw'd well thruout nite. Load to recover 362 BFF.

9/30/81

Swbg.

Cont flwg well back on full. Open 1" choke making fair blow w/wtr, nitrogen & sweet gas. At 9:00 A.M. well quit making any fluid. Had less than 75# pressure. SI 2 hrs. At end of 1st hr TP 250#. At end of 2nd hr, 400#. Opened well up on 1/4" choke. Well strtd making some fluid & then mist. Press dropped off rapidly. Blew well dwn. RU to swb. Made total 8 swb runs to bttm of 3-1/2" tbg @ 3960'. Very little fluid, recov'd approx 5 bbls. SI & SDON. Total fluid recov'd 50 bbls. Load remaining 312 bbls.



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10/1/81

Prep to set plug in packer & POH w/3-1/2" tbg.  
Well SI overnite. SITP 800 psi.  
SICP 0 psi. At noon opened well to pit thru 1" choke. Blew dwn to 50 psi in 10 mins. Closed choke to 1/2". Press increased to 90 psi & then dropped to 50 psi in 20 mins. Closed choke to 1/4". Press increased to 75 psi & then dropped to 50 psi in 15 mins. Pitot tube meas. 240 MCFD making sweet gas & nitrogen. SI well & RU sub. Made 2 runs in 3-1/2" tbg - had scattered fluid recov'd 1-bbl. RIH w/sinker bars. Tbg clear to 7600'. RU to swab 2-3/8" tbg swedge between 2-3/8" & 3-1/2" had too small of ID. RIH w/sinker bars  $\pm$  7875' (questionable depth) RD swab. SI & SDON.

10/2/81

Prep to GIH w/IM Pression block in WL.  
SITP 700#, SICP 0#. Opnd well 8 A.M., blow to pit. TPO# in 10 min. Had lite spray wtr f/1-2 min; then had sli blow of gas. RU DELSCO Northwest Inc. RIH w/BKR FSG plug on slick line. Tried to set in "F" npl; didn't set. Wrkd up & dwn in "F" npl. Plug held. Pld up to shear pins. Hydraulic jars went off. Tool came up hole 12'. Tool stuck 12' above "F" npl. Wrkd Spang mech jars trying to free tools; didn't wrk free. Pld tension on tools & held. RU rig pmp. Strtd to load hole. Gained wgt on tools. Had 2-3' free movement in tools. Cont to try to load hole, wrkg tools up & dwn 2-3'. Loaded hole. Slick line parted on top of tools. POH w/line. No tools. Possibly 10' of line left in hole. SI well. SDON.

10/3/81

Prep to POH w/tbg & seal assbly.  
In am 10/2 SITPO SICPO. P.U. 1-3/4" O.D. imp. block on 3/16 braided line & ran in to 7862 W.h. mea. P.O.H. Had circular imp. following contour of imp block on 2 sides. Ran 1-1/2" imp block to 7862' WL mea w/same imp. Ran WL spear to 7862' WL mea. Could not catch any wire. WIH w/WL overshot 1-1/2" O.D. to catch rope socket. No recovery. Bottom flattened in two places. R.D. Delsco N-West Inc. S.I. well & SDON. Raining all night, weather bad.

10/4/81

Prep to fin in hole  
In am 10/3. 10:00 - muddy roads. SITPO SICPO. RU to POH w/tbg. Pulled seal assbly out pkr. LD 10' 3-1/2 tbg sub & Mott. 3-1/2 & 2" tbg & seal assbly. PU 3-3/4" O.D. short catch overshot w/1-1/2" grapple w/bumper sub Bowen jars & 2 XO subs & WIH w/2-3/8 tbg & 14 stds 3-1/2" tbg to 4700'. SI well. SDON.

10/5/81

Prep to continue fishing.  
AM 10/4/81 SICPO SITPO. POH w/fishing assbly & changed out Bowen jars for Johnston jars. WIH w/fishing tools on 2-3/8 & 3-1/2" tbg. Tagged at 7728' RKB - top of packer. Worked overshot to try to catch fish. POH no recovery no marks on overshot. SI well & SDON.

- 10/6/81  
Prep to cont fshg.  
CP 0#. PU Bowen 2-5/16" series 10 OS w/1-1/2" grapple on 2 - 2'x7/8" rod subs w/XO. TIH w/fshg assembly on 2-3/8" x 3-1/2" tbg to 7728'. Wrkd thru top of pkr & tagged fish @ 7730'. Set dwn 4M# on fish. PU 18'. Pld 10M# over string wt. Would not pull free. Set dwn on fish. Cocked jars. Pld 20M# over string wt. Set off jars. Fish pld free. Went down, tagged btm. Pld up 28'. Set down 2M# on fish. Tagged 18' high. TOH w/3-1/2" x 2-3/8" tbg & fshg assbly. Rec'd rope socket +8', .092 slick line, wt bars, knuckle jt, hydraulic jars, spang jars, & setting tool f/plug. Left in hole Bkr SSG bypass blanking plug. SI well. SDON.
- 10/7/81  
Prep to PU milling & retrieving tool & RIH.  
SICP 0# - yest a.m. - on vacuum. RU rig pmp. Pmpd 50 bbls 3% KCL wtr dwn csg. Press to 1200#. Held ok f/1 hr. Bled off press - had some gas to surf, then died. Tried to locate pkr milling & retrieving tool. WO tools. Made up DCs. Unload tools off hot shot truck. SI well. SDON.
- 10/8/81  
Prep to TIH w/3-3/4" OD mill w/3-3/4" OD cutting surface.  
SICP 0#. WO cross over sub. PU packer milling & retrieving tool. TIH on Johnston jars w/4 - 3-1/8" dc, XO sub, 2-3/8" & 3-1/2" tbg. Hit tite spot @ 6905' (top of 11.6#, 4-1/2" csg @ 6739'). Sit dwn 4000# on tool. Wouldn't go dwn hole. Pulled 4000# over string wt. Pulled free. Set 1000# on tool. Tried to rotate. Couldn't rotate tool. TOH w/tbg & tools. Bttm of mill pinched f/3-7/8" OD to 3-25/32" OD. Body of mill 3-3/4" OD.
- 10/9/81  
Prep to cont milling on pkr.  
SICP 0#. PU new mill shoe - 3-3/4" ODX 3-1/4" ID w/inside bld up on cutting surf. TIH to 7728' - no problems. Stung Simplex pkr retriever into pkr. RU power swivel & reverse circ'g unit milled 1' of pkr in 3 hrs. Lacked +3" to top slips. Rel'd Simplex pkr retriever. Pld up 20'. SI well. SDON.
- 10/10/81  
Prep to FTOH  
8 A.M. SICP & SITP were 0 psi. Stung simplex pkr retr tool back into Baker pkr. Reverse circ & milled 2" on pkr & mill began to hang up. Reversed & then circ conventional & milled top pkr slips & pkr rubber. Pkr began to turn, picked up 8' & set down 8' high. RD power swivel & pump. Picked up 40' & pkr would take wt setting dwn. POH laying dwn 3-1/2" tbg (LD 126 jts). Had pkr drag until pulled into 7" casing. Shut well in & SDON.
- 10/11/81  
Prep to TIH w/Spear to fish pkr.  
8 A.M. SITHP was 0 psi. Finished TOH with 2-3/8" tbg & btm hole pkr plucking assembly - didn't have Baker Model "DB" pkr. Hotshot with spear to fish pkr left Grand Junction at 12 noon but got lost on way to location. Found driver & spear back in Grand Junction. SDON.
- 10/12/81  
Prep to TIH w/completion tbg & check for fill.  
0 psi CP & TP. Picked up 2-7/8" tbg spear with bumper sub & jars with 4 - 3-1/8" DC's & RIH to 7748' & tagged Baker "DB" pkr. Set Spear & pulled 20' with pkr dragging. Hung up at 7728' - pulled 20,000#'s & jars went off but did not free pkr. Worked pkr dwn hole & same came free. TOH recovering the "DB" pkr, mill out extension, 2-3/8" pup jt & "F" nipple; however, blanking plug was not in the "F" nipple. Laid dwn fish & the fishing tools.

- 10/13/81  
Prep to FTOH (measuring out).  
Dakota free perforations 7801'-7819'.  
8 A.M. SICP was 0 psi. Picked up 26' jt. 2-3/8" J-55 tbg mule shoe with SN & RIH with 250 jts 2-3/8" J-55 tbg & tagged sand @ 7753' KB. Reversed circ from 7753' to 7801' KB & couldn't go deeper - tagging up solid. Rotated & worked up & down without making progress. Circ hole clean & begin strapping out of hole. Pulled 160 jts & SDON.
- 10/14/81  
Prep to TIH w/mill shoe & globe bskt  
SICP 0#, SITP 0#. Fin TOH w/2-3/8" tbg, SN & mill shoe jt. Tbg count & strap correct. PU Dotco 3-5/8" OS w/1-1/2" grapple. Cut lip guide & sht extension. PU jars & bmr sub. TIH to 7801' KB. RU power swivel & pmp. Rotated & reverse circ'd on jk @ 7801'. Didn't make any hole. Tbg torqued up - had drag when PU off jk. TOH w/fshg assbly & 2-3/8" tbg. LD fshg tools. SI well. SDON.
- 10/15/81  
Prep to fin TIH w/tbg  
SICP 0#. PU & TIH w/3-3/4" mill shoe w/3-5/8" globe basket w/XO sub, bumper sub & jars, XO on 2-3/8" tbg to 7801' KB. RU power swivel & pmp. Milled on junk f/15 mins. Broke free. Wsh'd dwn 8' sand & hung up on junk again. Milled on junk 45 mins. Wsh'd sd to PBTD. Circ hole clean. TOH w/2-3/8" tbg & fshg tools. Recov'd Baker FSW blanking plug & pieces of milled up packer. TIH w/2-3/8" mill shoe 26' long, API seat nipple & 130 jts 2-3/8" tbg. SI & SDON.
- 10/16/81 7852 PB  
KB 11' Swbg.  
Fin TIH w/2-3/8" tbg. Ran tbg 7734.74'. Tbg as foll: (RKB to top of tbg 9'). 249 jts 2-3/8" (7698.38'), 2-3/8" API SN (1.10'), 1 jt tbg w/mule shoe in (26.26') = 7734.74'. ND BOP's. NU tree. RU to swb. FL @ 4600'. Swbd back 10 BW on 6 swb runs. SI well. SDON.
- 10/17/81  
Prep to continue swabbing operations  
8 A.M. TP 0 psi, CP 15 psi.  
Ran swab & tagged fluid level at 4800'. Swabbed well until 5 P.M. making 14 swab runs - swabbing from the S.N. Swabbed 51 bbls of slightly gas cut wtr. Fluid level difficult to determine on swab runs due to scattered gas pocket in the tubing string.
- 10/18/81  
Prep to continue swabbing the frac'd Dakota Interval 7801'-7819'.  
8 A.M. 10/17/81 - no tubing or csg pressure.  
Ran swab & tagged fluid at 5800'. Pulled 9 swab runs (8 from S.N. @ 7707') recovering 21 bbls wtr & only very very slight gas blow. On last swab run had waited 1 hour between runs & pulled from the S.N. w/no recovery. Check pressure & FL while WO orders.
- 10/19/81  
8 A.M. 10/18/81 - SITP 40 psi & SICP 75 psi.  
Ran swab & hit FL at 5700'. On swab runs 1 & 2 pulled from the S.N. recovering 4-1/2 bbls of gas cut water. On 3rd run no recovery. Waited 2 hrs & on 4th run recovered 1/2 bbl H<sub>2</sub>O. Made 4 more runs in the afternoon w/no recovery.
- 10/20/81  
RU to cont swbg.  
TP 100#, CP 120#. Blow dwn tbg & RU swb. Tag fld @ 6000'. Swbd 4-1/2 BW on 2 swb runs. Blow dwn annulus. Remove tree. PU 4 jts 2-3/8" tbg. Tag btm @ 7828'. LD 4 jts tbg. Hang prod tbg @ 7734'. Install tree. RU swb. Tag fld @ 6500'. Swb back 2 BGCW on 2 swb runs. Well had been open 5-1/2 hrs w/no swbg. Leave tbg opn on 24/64" chk.

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10/21/81  
Prep to set BP and SPT acid.  
SICP 75#, TP 0#. No flw, no gas. PU lubricator. RIH to swb. Tag fld @ 4700'. Swbd 8 hrs @ 1 run/hr all GCW for a total 20 bbls of 50%+ GC fld. Left tbg opn to pit on 1/2 chk w/backside SI.

10/22/81  
GIH w/2-3/8" tbg OE in prep to spotting acid.  
SICP 150#. Blow dwn backside. LD lubricator. Remove wellhead & Xmas tree. Install BOP stack. TOH w/125 stds 2-3/8" tbg. WO Schlumberger. Called @ 8:00 A.M. - had truck trble. Showed up @ 4:30 P.M. Hooked up hard line to wellhead. RU Schlumberger to run gage ring & set WL plug @ 7750'. Completed setting plug @ 8:00 P.M. Had Dowell truck w/acid on standby noon to 4:00 P.M.

10/23/81  
TIH w/2-3/8" tbg. RU Dowell well. Spot acid.  
Sptt'd 100 gal of 7-1/2% HCl acid. TOH. RU Schlumberger to perf. Perf'd 7651, 7653, 7657, 7659 w/.33 diameter holes. Had 2 charges on wireline & the holes 7635, 7637, 7639 & 7641 failed to detonate.

10/24/81  
Prep to lower pkr to knock balls off perms.  
At 7:00 A.M., CP 25 psi. Perf w/Sch scallop gun 7635, 37, 39, 41 w/.33 dia jets = 4 holes. WIH w/3-1/2 & 2-3/8 tbg & Mtn States C-5-1 pkr at 7460. Dowell PI 400 gal 7-1/2% HCl w/additives into form w/20 ball sealers, w/50 bbl 2% KCl on backside. Good ball action. Est rate 7 BPM @ 3300 psi. ISIP 800 5 min 400 psi, 10 min Vacuum (Frac Grad .45). SDON.

10/25/81  
Prep to Foam Frac upper Dak perms.  
At 7:30 A.M. SITP 25 psi. Rel small amt acid gas then on vacu 2 min then static. Rel pkr 7460 & lowered to 7660. At 7660 pkr stuck & reg 40000# working to free. Est that ball in 7659' perf had stuck pkr. Could not dislodge ball. Pulled pkr up & reset @ 7460' in prep for frac. Filled annulus w/2% KCl H<sub>2</sub>O & held 2000 psi on annulus 15 min. Chkd bolts on wellhead. Filled tanks w/wtr used 1600# KCl. SDON. Well SI.

10/26/81  
Flowing well.  
RU Dowell trucks f/frac. Hold 2000 psi on backside, w/rig pmp & hard line. Frac w/17000#, 100 mesh sd, 82500# 20-40 sd, 1,628,800 scf N<sub>2</sub>, 65-75% quality fluid. Begin 2000 psi, max 7100 psi. Final 6600 psi. Avg. 6800 psi. 15 min SI 3700 psi. Avg inj rate + NZ = 12 & 10 BPM. Frac radiant .99. Compl @ 1:40 PM, 10/25/81.  
Flow well back @ 2:48 PM thru 20/64" choke. Begin tbg press 1700#, CP0.

5 PM, 10/25/81	500 psi	
6 PM	200 psi	
7 PM	200 psi	
8 PM	150 psi	Strong flow of Nitrogen & mist
9 PM	100 psi	Sand flow
10 PM	50 psi	
11 PM	50 psi	
MN	50 psi	
1 AM, 10/26/81	50 psi	
2 AM	50 psi	
3 AM	50 psi	Less sand
4 AM	50 psi	
5 AM	50 psi	
6 AM	50 psi	No sand

~~CONFIDENTIAL~~

12

10/27/81

Cont to flow well. Prep to release pkr (@ 7460') & LD 3-1/2" tbg. Continual well flow hourly readings:  
At 8:00 A.M., 10/26/81, TP 15#, w/1" choke, est. 588 MCFD. Held 15# thru each reading to 6:00 P.M. Changed over to 1-1/4" orifice on flowline. At 6:30 P.M., TP still @ 15# & est 588 MCFD. TP & volume still the same at 7:30 A.M., 10/27/81.  
Well flowed cont w/nitrogen & wtr mist w/trace of sand; good strong discharge.

10/28/81

Tubing pressure 40. 3/4 orifice on the flow line. Est flow 638,000 cubic ft per day.  
SI well. Fill bbl w/2% KCl wtr. Released pkr @ 7460' & TOH. LD 3-1/2 tbg. Completed TOH. LD pkr & SI. Drained pmp & hard lines. SDON.

10/29/81

RU to swb. Use nitrogen to blow sd out of well.  
Csg on vacuum. PU notched collar  
1 jt 2-3/8" tbg, SN. TIH w/248 jts 2-3/8" tbg. Tag fill @ 7680'. RU swab. Swab back 36 bbls wtr on 8 swb runs. SIFN.  
Tbg detail: 4100 notch collar  
3120 1 jt 2-3/8" tbg  
110 SN  
7642.42 248 jts 2-3/8" tbg  
Diff in rig KB 5'  
7680.13'

10/30/81

Prep to reverse out sd & wtr w/N2  
Tbg on sli vacuum. RU swb. Tag flo @ 2750'. Swbd 10 BW on 3 runs. RD swb. Ran 2 jts 2-3/8" tbg & tag fill @ 7680'. PU 5'. RU Dowell. Press annulus to 2600# w/N2. Got no circ. Blw dwn annulus. Press tbg to 2000#. Press dropped to 1500# & brk circ. Circ'd est 50 BW out of csg. SDFN.

10/31/81

Flowing well to pit on 20/64" choke.  
Tbg 700 psi, csg 700 psi. Open csg to pit. Pmpd N2 dn tbg. Circ out 60 bbl wtr. CO f/7680-7750'. SD & RU to reverse circ. Reverse well w/N2. RD Dowell. Tbg bled to 10 psi & started unloading wtr. Left well flowing to pit on 20/64" choke.

11/1/81

Cont swabbing well.  
Tbg 10 psi, csg 60 psi. Flowing gas & 2 bbl/hr wtr. Well died @ 10:00 AM. Blew dn csg. Pulled 5 jts tbg. Landed tbg @ 7618'. ND BOPE & NU tree. RU to swab. Tag fluid @ 5700'. Swabbed 8 runs rec 18 bbl wtr. SDON.

11/2/81

Cont swabbing  
Tbg 300 psi, csg 50 psi. RU swab. Tagged fluid @ 4700'. Swabbed 34 bbls of gas cut wtr on 11 swabbing runs. Fluid levels stay approximately 1100'. SDON.

11/3/81

Tbg 500 psi, csg 350. LD tbg. RU to swab.  
Tagged spotty fluid @ 4500'. Swb back 16 bbls of highly gas cut wtr on 8 swb runs. Well st flowing. Csg press declined to 300 lbs. Put well on 1/4" choke. Flwg tubg 90 lbs - csg held @ 300 lbs. Flwd f/1-1/2 hrs. SDON & SI well.

11/4/81

Prep to cont swbg

7:15 AM - SICP 600#, TP 600#. Flwd well until 10:30 AM @ 2 BPH (total 5 bbls). TP dropped to 250#. Began 1st swb run @ 10:30 AM - found GCW all the way to 7400'. Made swb run every 45 min until 5 PM. Rec'd 20 BW. CP remain constant @ 250#. Ran thru 1/4" orifice, constant @ 50# orifice press. Est 87 MCFD. At 5 PM, took wtr sample. Dowell tstd - frac wtr.

11/5/81

Swab & flow well.

At 7:30 AM - SITP 850#, CP 600#.

Flow well thru 1/4" orifice - 50# orifice pressure. Flow remained constant until 11:00 AM - CP dropped to 250#. At 11:00 AM, RD well tech rig 27. MO @ 3:00 PM. At 3:00 PM Butte Swabbing Service Unit. RU & pour swab line socket & SDFN.

11/6/81

At 8:00 AM, well SI. CP - 900#, TP - 900#.

Flow well thru 2" discharge. Begin dry gas & 10 mins later heavy wtr for 5 mins, then turned to mist w/wtr dribble. CP - 250#. At 9:00 AM, flow thru 1/4" orifice w/110# orifice pressure. CP - 250#.

9:15 AM	1/4" orifice	84#	CP - 250#
9:30 AM	1/4" orifice	50#	CP - 250#
10:00 AM	1/4" orifice	45#	CP - 250#
10:30 AM	1/4" orifice	40#	CP - 250#
11:00 AM	1/4" orifice	35#	CP - 250#
11:30 AM	1/4" orifice	35#	CP - 250#
Noon	1/4" orifice	35#	CP - 250#
12:15 PM	1/2" orifice	8#	CP - 250#

1:00 PM, CP - 300#. Made swab run & discharged thru 2" orifice. CP dropped to 250#. Swb 2 bbls frac fluid w/gas. Left flow line open to unload wtr. CP - 200# @ 2:00 PM. Flow'd gas & mist small wtr drip at discharge. At 2:00 PM, CP - 200# made swb run discharged 2 bbls fluid & gas. Cont'd to flow; 3:00 PM - 5:00 PM, swb 1 run/hr - CP - 200#, 2 bbls fluid each run. SDFN.

11/7/81

Well flowing to pit to clean up

In AM, 11/6, SICP 850 psi, SITP 850 psi. Opened well on 2" line @ 8:00 AM & contd to flow to pit.

Time	Choke	CP	TP	Rate MCFD	Remarks
9:00 AM	1/2"	300 psi			
10:00 AM	1/2"	250 psi	75	466	Med fog
11:00 AM	1/2"	200 psi	30	252	Lite fog
Noon	1/2"	290 psi	19	97	Dry gas
1:00 PM	3/8"	340 psi	19	97	Dry gas
2:00 PM	3/8"	360 psi	130	447	Unloading
3:00 PM	3/8"	290 psi	100	338	Hvy fog
4:00 PM	3/8"	280 psi	58	214	Med fog

Did not swab. No sand produced. Left flowing to pit & SDON.

11/8/81

Well flowing to pit to clean up.

After flowing overnight w/CP varying 320 psi to 260 psi & tbg on 3/8" choke - resumed monitor tbg press & contd to flow to pit. Rate fairly stable @ 299 MCFD on 3/8" choke w/medium mist wtr. Released Butte Swabbing Unit @ 3:00 PM, 11/7. Contd to flow to pit on 3/8" choke. Did not swab.

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11/9/81

Flowing Dakota to pit to clean up on 1/2" choke  
In AM, 11/8, after flowing overnite, CP had decreased uniformly f/250 psi to 220 psi. TP gradually increased f/83 psi to 90 psi at rate 321 MCFD w/lite mist. Wtr sample milky w/no noticeable distillate content. At 11:00 AM, changed to 1/2" plate w/CP 220 psi, TP 50 psi - rate 345 MCFD. Left well flowing overnite (Mesa Pipeline press is 450 psi).

11/10/81

Flwg f/tst.  
10:30 AM, 11/8/81, 1/2" plate on orifice, CP 220#, TP 62#, rate 399 MCFD w/medium fog. Low of CP 160#, TP 47#, rate of 322 MCFD. Avg CP 175#, TP 51#, rate of 342 MCFD. 11/9/81. Installed critical flow prover w/3/8" plate. 11:00 AM, CP 170#, TP 86#, rate 313 MCFD, dry gas. 11:30 AM, CP 180#, TP 95#, rate 341 MCFD. 12 noon, CP 180#, TP 90#, rate 325 MCFD. 12:30 PM, CP 185#, TP 95#, rate 341 MCFD w/light fog. At 12:30, installed 1/4" plate, discharged dry gas. 12:45 PM, CP 200#, TP 135#, rate 214 MCFD. 1:00 PM, CP 213#, TP 140#, rate 229 MCFD. 1:30 PM, CP 235#, TP 150#, rate 237 MCFD. 2:00 PM, CP 249#, TP 157#, rate 247 MCFD. 2:30 PM, CP 265#, TP 165#, rate 259 MCFD w/heavy mist. 3:30 PM, CP 285#, TP 185#, rate 291 MCFD.

11/11/81

Flowing well to clean up on 3/4" choke  
Cont'd flowing overnite on 1/4" choke. At 8:30 AM, TP 210 psi, CP 300 psi - rate 331 MCFD w/lite to med fog & rem constant to 8:45 AM. Put on 3/16 plate @ 8:45 AM.

Time	CP	TP	Rate MCFD	Remarks
9:45 AM	335	248	216	Dry gas
10:15 AM	350	258	224	Dry gas
10:45 AM	366	265	230	Dry gas
11:45 AM	380	270	234	Dry gas
12:25 PM				Start lite fog
12:45 PM	398	290	251	

Removed plate & blew to pit open for 15 min & put on 3/4" orifice w/CP 325 psi & TP @ 60 psi at first. Left well flowing on 3/4" plate. Fluid rec'd is milky color w/sli amt flammable liquid on top. \$1,069,000

11/12/81

Well SI while cleaning up location  
Left well flowing overnite 11/10-11/11 thru a 3/4" choke & CP had decreased f/275 psi to 100 psi & FTHP decreased f/100 psi to 10 psi. Well flowed at DR of 270 MCF.

11/13/81

Cleaning location  
CP 900#, TP 1000#. Well SI @ 12:45 PM. At 1:30 PM, Ross Const Co MI cat D7G dozer & began to rehabilitate location. FINAL REPORT.

11/13/81

Completed SI gas well, 11/13/81, Dakota fm. Flwd on 4 hr test, 11/10/81, @ rate of 251 MCFGD f/Dakota parts 7635-7659' OA thru 1/4" choke; CP 398#; FTP 290#. LPP 7659'. (CIBP @ 7750'.)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐

2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
P. O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1820' FSL & 500' FWL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: Approx the same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐ ☐

FRACTURE TREAT ☐ ☐

SHOOT OR ACIDIZE ☐ ☐

REPAIR WELL ☐ ☐

PULL OR ALTER CASING ☐ ☐

MULTIPLE COMPLETE ☐ ☐

CHANGE ZONES ☐ ☐

ABANDON\* ☐ ☐

(other) N.O. acidize, perf & frac

5. LEASE  
U-14234

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Black Horse Canyon - Federal

9. WELL NO.  
31-1

10. FIELD OR WILDCAT NAME  
Black Horse Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
31-15S-24E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.  
43-047-30765

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
8262'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

MI & RU Completion Unit. Drilled cement. Spotted 100 gals 7-1/2% HCL @ 7850' to 7720' with 2 gal/1000 gal L-53 & 10 gal/1000 gal A-200 inhibitor. Perf'd Dakota 7801,03,09,11,13,15,17,19 - .32" hole. Spotted 400 gals 7-1/2% HCL containing 2 gal/1000 gal L-53 & 10 gal/1000 gal A-200 inhibitor & 20 ball sealers. Frac treat 7801'-7819' with 1500 gals pad & 12575 gals conc frac fluid foam & 15,000# 100 mesh sand & 70,000# 20/40 mesh sand Swb'd. Spotted 100 gals 7-1/2% HCL @ 7750'.\* Perf'd 7651',53,57,59 - .33" hole. Perf'd 7635',37,39,41 - .33" hole. Pumped 400 gals 7-1/2% HCL & 20 ball sealers @ 7460'. Foam frac'd 7659'-7635' with 1,628,800 scf N<sub>2</sub> and 82,500# 20/40 mesh sand & 17,000# 100 mesh sand. Swb'd. Completed

\* Set CIBP @ 7750'.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

18. I hereby certify that the foregoing is true and correct

SIGNED W.A. Walther, Jr. TITLE District Manager DATE 11-20-1981

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
DIVISION OF  
OIL, GAS & MINING



ARCO Oil and Gas Company  
Western District  
717-17th Street  
Mailing address: P.O. Box 5540  
Denver, Colorado 80217  
Telephone 303 575 7000

6-13-81



November 25, 1981

United States Geological Survey  
1745 W 1700 S  
Ste 2000  
Salt Lake City, Utah 84104

RECEIVED  
NOV 30 1981

DIVISION OF  
OIL, GAS & MINING

RE: Black Horse Canyon #31-1  
NW SW Section 31-15S-24E  
Uintah County, Utah

Gentlemen:

Enclosed please find for 9-330 WELL COMPLETION OR RECOMPLETION REPORT AND LOG on the above referenced well. This well is a TIGHT HOLE. Final prints of logs run on this well have not been received yet, these final prints will be forwarded to your office as soon as they are received.

Very truly yours,

K. L. Flinn  
Operations Information Assistant

Encl.

cc: Utah Division of Oil, Gas & Mining

TIGHT HOLE  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5

12

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: ☒ WELL ☐ GAS WELL ☐ DRY ☒ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1820' FSL &amp; 500' FWL

At top prod. interval reported below

At total depth Approx the same

API #43-047-30765

14. PERMIT NO.

DATE ISSUED

Mr. Martens

9-26-80

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

19. ELEV. CASINGHEAD

12-9-80

6-14-81

11-13-81

8262' GR

20. TOTAL DEPTH, MD &amp; TVD

21. PLUG, BACK T.D., MD &amp; TVD

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

7910'

7852' 7750' CIBP

1

→

0 - 7910'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Dakota 7635' - 7659'

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, FDC, CNL, CBL

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	341'	12-1/4"	200 SX	NONE
7"	23#	4177'	8-3/4"	200 SX	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	4008'	7910'	500 SX	---

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	7680'	NONE

31. PERFORATION RECORD (Interval, size and number)

Dakota 7801'-7819' 8 shots .32" hole

Dakota 7651'-7659' 4 shots .33" hole

Dakota 7635'-7641' 4 shots .33" hole

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7850'-7720'	100 gals 7 1/2% HCL + additives
7662'	400 gals 7 1/2% HCL + adds + 20 ball sealers
7801'-7819'	14,075 gals frac fluid + 85,000# s

33. PRODUCTION (OVER)

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
WO Connection		Flowing				SHUT IN	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-10-81	4	1/4"	→	---	251	---	---
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
290#	398#	→	---	251	---	---	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

C.R. Thompson

35. LIST OF ATTACHMENTS

2 of #26 above and Daily Well History

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED

W.A. Walther, Jr.

TITLE District Manager of Production

11-23-81

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

**37. SUMMARY OF POROUS ZONES:**  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
NO CORES AND NO DST			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
7460'			400 gals 7½% HCL + 20 ball sealers
7659' - 7635'			1,628,800 scf N₂ + 99,500# sd

38.

GEOLOGIC MARKERS

NAME	NEAR. DEPTH	TOP	TRUE VERT. DEPTH
Mancos	4340'		
Emery	4636'		
Mancos B	4982'		
Base Mancos B	5373'		
Frontier	7255'		
Dakota Shit	7530'		
Dakota Sand	7595'		
Buckhorn	7790'		
Morrison	7874'		

ARCO Oil and Gas Company  
Rocky Mountain District  
Post Office Box 5540  
Denver, Colorado 80217  
Telephone 303 575 7031  
  
W. A. Walther, Jr.  
Manager  
District Production



February 18, 1982

United States Geological Survey  
1745 W. 1700 S  
Ste 2000  
Salt Lake City, Utah 84104

RE: Black Horse Canyon #31-1  
NW SE Section 31-15S-24E  
Uintah County, Utah

Gentlemen:

Enclosed please find final prints of logs run on this  
TIGHT HOLE. Form 9-330 WELL COMPLETION OR RECOMPLETION  
REPORT AND LOG was sent to your office November 25, 1981.

Very truly yours,

K. L. Flinn  
Operations Information Assistant

Encl.

cc: Utah Division of Oil, Gas & Mining ✓



UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. ● (801-538-5340)

Page 6 of 6

# MONTHLY OIL AND GAS PRODUCTION REPORT

012923

**Operator name and address:**

• ARCO OIL & GAS COMPANY  
P O BOX 1610  
MIDLAND TX 79702  
ATTN: REVENUE ACCT/JEFF DECKER

Utah Account No. N0080

Report Period (Month/Year) 12 / 86

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
FEDERAL 31-1							
4304730765	08345	15S 24E 31	DKTA	*			
ARCO STATE 36-7							
4301931162	09710	15S 24E 36	MRSN	*			
ARCO STATE #36-8							
4301931192	09710	15S 24E 36	DKTA	*			
TOTAL							

**TOTAL**

Comments (attach separate sheet if necessary) \* SEE COMMENT PAGE 1 OF 6  
\* Properties sold, Effective 4-1-86 To: Buch Corporation

I have reviewed this report and certify the information to be accurate and complete.

Date 1-21-87

**JEFF DECKER**

Telephone (915) 688-5414

**Authorized signature**

**PLEASE COMPLETE FORMS IN BLACK INK**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Graham Royalty, Ltd.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1675 Larimer Street, Suite 400, Denver, Colorado 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether OF, TO, OR, etc.) DIVISION OF OIL, GAS & MINING		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA
		12. COUNTY OR PARISH 13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Change of Operator</u> <input checked="" type="checkbox"/>	
(Other)		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Effective April 1, 1989 Graham Royalty, Ltd. took over as operator from Birch Corporation on various wells in the San Arroyo Field.  
The attached Exhibit shows a list of wells and their location.

18. I hereby certify that the foregoing is true and correct

SIGNED Wilbur L. Dwyer  
(This space for Federal or State office use)

TITLE Vice President

DATE April 25, 1989

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

San Arroyo	1	Entrada Unit	SE NW Sec. 26-16S-25E	Grand Co., UT
San Arroyo	2	Entrada Unit	SE NW Sec. 22-16S-25E	Grand Co., UT
San Arroyo	3	Entrada Unit	SE NW Sec. 23-16S-25E	Grand Co., UT
San Arroyo	5	Entrada Unit	NW SE Sec. 25-16S-25E	Grand Co., UT
San Arroyo	6	Entrada Unit	SW NE Sec. 21-16S-25E	Grand Co., UT
San Arroyo	40	Entrada Unit	NW NE Sec. 27-16S-25E	Grand Co., UT

San Arroyo	4	Dakota Unit	SE SW Sec. 30-16S-26E	Grand Co., UT
San Arroyo	8	Dakota Unit	SW SW Sec. 16-16S-25E	Grand Co., UT
San Arroyo	9	Dakota Unit	NW NE Sec. 27-16S-25E	Grand Co., UT
San Arroyo	11	Dakota Unit	NE SW Sec. 15-16S-25E	Grand Co., UT
San Arroyo	12	Dakota Unit	SW SW Sec. 23-16S-25E	Grand Co., UT
San Arroyo	13	Dakota Unit	NE SW Sec. 22-16S-25E	Grand Co., UT
San Arroyo	16	Dakota Unit	SE SW Sec. 26-16S-25E	Grand Co., UT
San Arroyo	17	Dakota Unit	NE NE Sec. 24-16S-25E	Grand Co., UT
San Arroyo	18	Dakota Unit	NW NW Sec. 30-16S-26E	Grand Co., UT
San Arroyo	19	Dakota Unit	SW SE Sec. 14-16S-25E	Grand Co., UT
San Arroyo	20	Dakota Unit	SE NE Sec. 26-16S-25E	Grand Co., UT
San Arroyo	21	Dakota Unit	NW SE Sec. 25-16S-25E	Grand Co., UT
San Arroyo	22	Dakota Unit	NE NE Sec. 15-16S-25E	Grand Co., UT
San Arroyo	24	Dakota Unit	SE NW Sec. 19-16S-25E	Grand Co., UT
San Arroyo	25	Dakota Unit	SW NE Sec. 21-16S-25E	Grand Co., UT
San Arroyo	26	Dakota Unit	SW SW Sec. 20-16S-26E	Grand Co., UT
San Arroyo	27	Dakota Unit	NE SW Sec. 29-16S-26E	Grand Co., UT
San Arroyo	28	Dakota Unit	NW NE Sec. 29-16S-26E	Grand Co., UT
San Arroyo	29	Dakota Unit	NE NE Sec. 22-16S-26E	Grand Co., UT
San Arroyo	30	Dakota Unit	NW SW Sec. 21-16S-26E	Grand Co., UT
San Arroyo	31	Dakota Unit	NW NW Sec. 22-16S-25E	Grand Co., UT
San Arroyo	32	Dakota Unit	SW SW Sec. 14-16S-25E	Grand Co., UT
San Arroyo	33	Dakota Unit	SW SW Sec. 25-16S-25E	Grand Co., UT
San Arroyo	35	Dakota Unit	SE SW Sec. 24-16S-25E	Grand Co., UT
San Arroyo	36A	Dakota Unit	SE SE Sec. 19-16S-26E	Grand Co., UT
San Arroyo	37	Dakota Unit	SW NE Sec. 20-16S-26E	Grand Co., UT
San Arroyo	38	Dakota Unit	SW NE Sec. 16-16S-25E	Grand Co., UT

Arco Fed. 27-1	NW SW Sec. 27-16S-25E	Grand Co., UT
Arco State 2-1	NW SW Sec. 2-16S-24E	Grand Co., UT
Arco State 2-2	NW SW Sec. 2-16S-24E	Grand Co., UT
Arco State 36-7	NW SW Sec. 36-15S-24E	Grand Co., UT
Arco State 36-8	NW SW Sec. 36-15S-24E	Grand Co., UT
Federal 174-1	SE SW Sec. 11-16S-25E	Grand Co., UT
Bittercreek #1	SE SW Sec. 2-16S-25E	Grand Co., UT
Black Horse 31-1	SE SW Sec. 31-15S-24E	Uintah Co., UT
Fed. Gilbert #1	SE SW Sec. 31-15S-24E	Grand Co., UT

↳ per Jackie Cannon from Buch, Graham Royalty does not own  
 this well. AS 5/15/89

May 30, 1989

**RECEIVED**  
JUN 01 1989

DIVISION OF  
OIL, GAS & MINING

State of Utah  
3 Triad Center-350  
Salt Lake City, Utah 84180-1203

Attention: Ms. Tammy Searing

Dear Ms. Searing:

To confirm telephone conversation of May 26, 1989,  
Graham Royalty, Ltd. is not the operator of the Black Horse #31-1  
located in SE SW Sec. 31-15S-24E, Uintah Co. Utah.

43-047-30765

If you should have further questions, please advise.

Sincerely,

*C. C. Robbins*

C. C. Robbins  
Reg. Affairs Supervisor

CCR



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Change of Operator		5. LEASE DESIGNATION AND SERIAL NO. U-14234	
2. NAME OF OPERATOR The Birch Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 3801 E. Florida Ave., #900, Denver, CO 80210		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  1820' FSL & 500' FWL		8. FARM OR LEASE NAME Black Horse Canyon-Federal	
14. PERMIT NO. API #43-047-30765		9. WELL NO. 31-1	
15. ELEVATIONS (Show whether OP, RT, GR, etc.) 8262' GR		10. FIELD AND POOL, OR WILDCAT Black Horse Canyon	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31-155-24E	
		12. COUNTY OR PARISH Uintah	13. STATE Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Change of Operator	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

Leases assigned to Prudential - Bache Energy Growth Fund L.P.G.-1 and L.P.G.-2 effective December 1, 1989. Operator name is to be changed to the same.

OIL AND GAS	
DRN	RIF
JRB	GLH
1-DTS DB	SLS
2-TAS	
3. MICROFILM	<input checked="" type="checkbox"/>
4. FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Operations - Mgr

DATE

12/8/89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_

☐ Suspense

(Return Date) \_\_\_\_\_

☐ Other \_\_\_\_\_

(Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_

(To - Initials) \_\_\_\_\_

(API No.) \_\_\_\_\_

1. Date of Phone Call: 1-8-90 - Time: 8:30 A.m.

2. DOGM Employee (name) JAS (Initiated Call ☒)  
Talked to:

Name Becky Dwyer (Initiated Call ☐) - Phone No. ( )

of (Company/Organization) 303-759-4400

3. Topic of Conversation: Chg of Opn - need phone # or  
address - for company taking over well.

4. Highlights of Conversation: Graham - 504-893-0000 -  
Becky indicated that Graham is the actual  
operator

- 1-8-90 1:54 called left message

3-10-90 9:07 was told to call Dwyer office  
303-609-1736 ask for Debbie Henry or Cindy

3-10-90 9:15 Graham Dwyer office. Cindy  
will mail out.

5-17-90

TAS

I decided the "Designation of Agent" portion of this change should be handled on a separate change worksheet instead of combining it with the "Change of Operator". So, I prepared and attached a ~~separate~~ separate worksheet. Please set up a separate file ~~folder~~ folder for it, per the January instructions I wrote (attached).

Also per the January instructions, please do the following:

- 1) On computer Screen 43, the contact information should be changed from  
Northstar Gas Co. ~~Inc.~~ Inc.  
to C/O Northstar Gas Co. ~~Inc.~~
- 2) On computer Screen 21, the comments should include (on all wells involved!)  
"Northstar Gas = Design. Agent for Graham, eff 3-1-90"
- 3) A note should be made on the cardex file card saying, "Northstar Gas Co. ~~Inc.~~ designated as agent for Graham Royalty, LTD. eff. 3-1-90" (on all wells!)
- 4) A note at the bottom of the well file label should say, "Designated Agent: Northstar Gas Co. ~~Inc.~~ (eff 3-1-90)" (on all wells)

TAS

Please route  
worksheet to

VLC

Rwm

if they haven't  
already ~~signed~~  
signed off.

Thanks

DTs

## OPERATOR CHANGE WORKSHEET GUIDELINES (Attachment 1 - 1/10/90)

The Operator Change Worksheet will be used to document any Designation of Agent.

**DEFINITION** (Oversimplified for Oil and Gas Administrative Group Purposes):

**Designation of Agent** - When an operator continues to operate a well, but hires another company (agent) to handle all legal matters and paper-work regarding the well.

### Procedure:

1 - The designation of agent box at the top of the form will be checked.

2 - In the address section, under FROM, the operator's old address will be shown; under TO, the operator's name will be shown, with the agent's name and address shown below it.

Example:	TO	Page Petroleum Inc. c/o Cord O&G Mgmt 1590, 540 5th Ave Calgary/Alberta	FROM	Page Petroleum Inc. 800,839 5th Ave.SW Calgary/Alberta
----------	----	--	------	--

3 - All wells that the company operates should be identified in the Well list section of the form unless the company specifically identifies certain wells that will be handled by their agent.

4 - In the Operator Change Documentation section of the form, initial line 1 "legal documentation has been received from the former operator" (even though the operator will be remaining the same). No other documentation needs to be received, therefore write "n/a" (not applicable) on lines 2 and 3.

5 - Lines 4 through 8 of the Operator Change Documentation section should be completed as follows:

A - The operator fields in the computer system (OGIS) will show the operator's name and account number. The operator's address will show the operator's name, c/o <sup>operator</sup> the agent's name, and the agent's address. The comment portion of each well will say, "Cord O&G des. agent for Page eff 12-1-89"

B - A note shall be made on the cardex file card which says, "(Agent name) designated as agent for (Operator name) on (effective date)". Example: Cord Oil and Gas Management Limited designated as agent for Page Petroleum Inc. on 12-1-89.

C - The label on the well file will show the operator's name, but a note at the bottom of the label will say "Designated Agent: (agent's name) (effective date)" Example: Designated Agent: Cord Oil and Gas Management Limited (eff. 12-1-89).

D - The designation of agent data will be included on the monthly memo to State Lands and the Tax Commission.

E - A folder will be set up for the designation of agent similarly to an operator change or designation of operator, except that a blue label will be used to identify the file. A copy of the front page of the form will be placed therein until the original is routed back for filing.

- 6 - An entity review is not needed.
- 7 - Notification of lease interest owners is not needed.
- 8 - Bond verification is not needed.
- 9 - All attachments to the worksheet will be microfilmed.
- 10 - The Production group should be notified of the change.
- 11 - Copies of all attachments to the worksheet will be filed in each well file.
- 12 - The original of the worksheet and the original attachments will be filed in the "Operator Change" file drawer located by Millie's office.

January 10, 1990  
DTS  
(OPCHNGE2.WP)

## STATE OF UTAH

## BOARD AND DIVISION OF OIL, GAS AND MINING

**RECEIVED**  
MAR 12 1990DIVISION OF  
OIL, GAS & MININGDESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or other extraction plant operator or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah, hereby appoint

Northstar Gas Company, Inc.256 E. North Sam Houston Parkway, Suite 250

(Address)

Houston, Texas 77060

(his, her or its) designated agent to accept and to be served with notices from the Board and Division Director or Authorized Agent in accordance with the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation of agent is filed in accordance with the statute and/or rules.

Effective Date of Designation March 1, 1990Company Graham Royalty, Ltd.Phone (303) 629-1736Address 1675 Larimer Street, Suite 400Denver, Colorado 80202

By

Wilbur L. Dover  
(Signature) Wilbur L. DoverTitle Vice President/Division Manager

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Expires August 31, 1985  
3. LEASE DESIGNATION AND SERIAL NO.  
UTU14234  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well. Use "APPLICATION FOR PERMIT-TO-DRILL" form.)

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER  
2. NAME OF OPERATOR  
Graham Royalty, Ltd.  
3. ADDRESS OF OPERATOR  
1675 Larimer Street, Suite #400, Denver, Colorado 80202  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
NW SE  
14. PERMIT NO.  
4304730765  
15. ELEVATIONS (Show whether DP, RT, GR, etc.)

7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Black Horse  
9. WELL NO.  
31-1  
10. FIELD AND POOL, OR WILDCAT  
An Arroyo  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 31-15S-24E  
12. COUNTY OR PARISH  
Uintah  
13. STATE  
UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

ABANDON OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANE

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) Change of Operator

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROMISED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Graham Royalty, Ltd. is considered to be the operator of the well above and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands effective January 1, 1990.

Bond coverage for this well is provided by Nationwide Blanket Bond #LPM 0137097, American Bankers Insurance Co.

✓ Graham Royalty, Ltd. hereby appoints Northstar Gas Company, Inc. (formerly Natural Gas Gathering Company of Texas). Address: 256 E. North Sam Houston Parkway, #250, Houston, TX 77060.

Agent

OIL AND GAS	
DRN	RUF
JRS	GLH
PTS	SLS
I-TAS	
MICROFILM	
DATE March 12, 1990	
FILE	

18. I hereby certify that the foregoing is true and correct

SIGNED

G. B. Royalty

TITLE Reg. Affairs Supervisor

Graham Royalty, Ltd.

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NORTHSTAR GAS COMPANY

256 E. North Sam Houston Parkway, Suite 250, Houston, Texas 77060  
(713) 820-6886

RECEIVED  
APR 09 1990

April 5, 1990

Utah Natural Resources  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

To Whom It May Concern:

Northstar Gas Company is the new operating agent for Graham Royalty, Ltd. Please make any corrections necessary so we may receive our correspondence from your agency. The new information is as follows:

Northstar Gas Company  
256 E. North Sam Houston Parkway, Suite 250  
Houston, Texas 77060  
713-820-6886

Thank you.

Sincerely,

*Paul A. Bernard, Jr.* / LR  
Paul A. Bernard, Jr.  
Controller

NORTHSTAR GAS COMPANY

PAB/lr  
Enclosures



June 6, 1989

**RECEIVED**  
JUN 08 1989

State of Utah  
Natural Resources  
Oil & Gas Program  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF  
OIL, GAS & MINING

Attention: Ms. Tammy Searing

Dear Ms. Searing

Per telephone conversation this date we would like to split the wells shown on the monthly Oil & Gas Production Report turn-around document.

We would like entity numbers; 00500, 00505, 00515, 00520, 08340, 08341, and 09710, to be included on a separate report and mailed to our agent for these wells: Natural Gas Gathering Company of Texas, 12700 Northborough, Suite 100, Houston, TX 77067.

All other wells shown on our monthly report should continue to be mailed to: Graham Royalty, Ltd., 1675 Larimer Street, Suite 400, Denver, Colorado 80202.

If you should have any questions, please advise.

Sincerely,

*C. C. Robbins*

C. C. Robbins  
Reg. Affairs Supervisor

CCR/ng

RECEIVED

JUL 16 1993

July 14, 1993

DIVISION OF  
OIL, GAS & MINING

State of Utah  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Attn: Ms. Lisha Cordova

Dear Ms. Cordova,

Effective August 1, 1993 we would like to change our operator name from Graham Royalty, Ltd. to Graham Energy, Ltd. Per our conversation this date it should be a simple change as no bond changes are required.

Attached is a list of the wells affected. Thank you.

Sincerely,

  
Cynthia C. Robbins  
Regulatory Affairs Supervisor

CC: Ken McKinney

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_  
(Location) Sec \_\_\_ Twp \_\_\_ Rng \_\_\_  
(API No.) \_\_\_\_\_

☐ Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

☒ Other  
*Operator Change*

1. Date of Phone Call: 7-19-93 : Time: 3:00

2. DOGM Employee (name) J. Cordova (Initiated Call ☒)  
Talked to:

Name Cynthia Robbins (Initiated Call ☐) - Phone No. (303) 629-1736  
of (Company/Organization) Graham

3. Topic of Conversation: Confirm address for Graham Energy LTD.

4. Highlights of Conversation:

Agent "Northstar Gas Co. Inc." is to remain the same as is Houston  
mailing address. Change address for Graham Energy LTD from  
LA to TX. (updated 7-22-93)

# 931116 - Linda Goldsby "Graham" referred to Btm (S.Y.)

# PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** \_\_\_\_\_

☐ **Suspense**  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

☒ **Other**  
*Operator Change*

(Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_  
(API No.) \_\_\_\_\_

1. Date of Phone Call: 12-9-93 Time: 3:00

2. DOGM Employee (name) J. Cordova (Initiated Call ☒  
Talked to:

Name Ken McKinney (Initiated Call ☐ - Phone No. (504) 893-8391  
of (Company/Organization) Graham Royalty / Graham Energy

3. Topic of Conversation: Oper. nm. chg. "Graham Royalty to Graham Energy"

4. Highlights of Conversation: \_\_\_\_\_

Add'l info. required by Btels. L. "San Arroyo Unit", also Graham Energy has sold the wells to Northstar Gas Co. Inc. Documentation will follow.

\* Northstar Gas Co. Inc. / Paul Burnett (713) 937-4314  
Mailing documentation ASAP.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

UTU14234

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well

☐ Oil Well☒ Gas Well☐ Other (specify)

2. Name of Operator

NORTHSTAR GAS COMPANY INC.

3. Address of Operator 15000 NORTHWEST FWY, SUITE 203  
HOUSTON TX 77040

4. Telephone Number

713-937-4314

9. Well Name and Number

FEDERAL 31-1

10. API Well Number

4304730765

11. Field and Pool, or Wildcat

5. Location of Well

Footage :

QQ, Sec. T., R., M. : 15S 24E 31

County : UINTAH

State : UTAH

## 12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other        |   |

Approximate Date Work Will Start

## SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *           | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other        | CHANGE OF OPERATOR                            |

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

NORTHSTAR GAS COMPANY INC. TOOK OVER AS OPERATOR FROM GRAHAM ROYALTY LTD.  
ON 09-01-93 WITH THE EFFECTIVE DATE OF SALE 09-01-93.

14. I hereby certify that the foregoing is true and correct

Name &amp; Signature PAUL BERNARD

Title SEC/TREAS

Date 12-20-93

(State Use Only)

**S. E. U. T. CO.**

**Accommodation Recording  
Not Examined**

**ASSIGNMENT, BILL OF SALE  
AND CONVEYANCE**

Entry No. **429639**  
Recorded 10-22-93 2 36 PM  
Bk 457 Pg. 83 Fee 80.00  
96  
Melane Mosher  
Recorder of Grand County

This Assignment, Bill of Sale and Conveyance ("Assignment"), is from each of Prudential-Bache Energy Growth Fund, L.P. G-1 and Prudential-Bache Energy Growth Fund, L.P. G-2, each a Delaware limited partnership and acting herein through their general partner, Graham Energy, Ltd. (collectively, "Assignor"), to Northstar Gas Company, Inc. ("Assignee"). Assignor has an address of 109 Northpark Boulevard, Covington, Louisiana 70433, and Assignee has an address of 15000 Northwest Freeway, Suite 203, Houston, Texas 77040.

For, and in consideration of Ten Dollars (\$10.00) cash and other good and valuable consideration in hand paid, the receipt and adequacy of which are hereby acknowledged, each Assignor does hereby, severally, and not jointly, Bargain, Sell, Transfer, Set Over, Grant, Assign, Convey and Deliver unto Assignee, all of such Assignor's right, title, interest and estate in and to the oil and gas properties described on Exhibit "A" (the "Oil and Gas Properties"). The Oil and Gas Properties shall include all mineral interests, working interests, overriding interests, reversionary interests, net profits interests, net revenue interests and any other interest of any kind without warranty of title either express or implied, to the extent they are owned and may be conveyed by Sellers.

The Oil and Gas Properties shall include, to the extent each Assignor may lawfully assign same, all of such Assignor's rights, title, interest and estate in and to the property and rights incident, and to the extent attributable, to the Oil and Gas Properties, the lands covered thereby or utilized therewith, including, without limitation, (i) all presently existing pooling or unitization agreements and the units created thereby, and all units formed by virtue of orders issued by applicable State regulatory agencies, (ii) all presently existing operating agreements and all other contracts, agreements and records, (iii) all personal property, easements, permits, surface leases, servitudes and rights-of-way situated upon or used in connection with the production, treating, storing or transportation of oil, gas or other hydrocarbons or minerals.

**TO HAVE AND TO HOLD** the Oil and Gas Properties unto Assignee and its successors and assigns forever.

**NOTWITHSTANDING ANY PROVISION IN THIS ASSIGNMENT OR ANY DOCUMENT DELIVERED IN CONNECTION HERewith TO THE CONTRARY, THE OIL AND GAS PROPERTIES AND ANY OTHER PROPERTY OR RIGHTS CONVEYED HEREUNDER ARE CONVEYED "AS IS," "WHERE IS," "WITH ALL FAULTS," AND IN THEIR PRESENT CONDITION AND STATE OF REPAIR, AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING WARRANTY OF TITLE OR ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR CONFORMITY TO MODELS OR SAMPLES OR AS TO ANY CLAIM BY ASSIGNEE FOR DAMAGES BECAUSE OF DEFECTS, WHETHER KNOWN OR UNKNOWN, OR ANY OTHER SORT OF WARRANTY. ASSIGNEE HAS INSPECTED, OR HAS HAD THE OPPORTUNITY TO INSPECT, THE OIL AND**

**GAS PROPERTIES AND PREMISES FOR ALL PURPOSES, INCLUDING WITHOUT LIMITATION FOR THE PURPOSE OF DETERMINING THE PRESENCE OF ENVIRONMENTAL CONDITIONS, OF DETECTING THE PRESENCE OF NATURALLY OCCURRING RADIOACTIVE MATERIAL "(NORM)" AND MAN-MADE MATERIAL FIBERS "(MMMF)" AND HAS SATISFIED ITSELF AS TO THEIR PHYSICAL AND ENVIRONMENTAL CONDITIONS, BOTH SURFACE AND SUBSURFACE. ASSIGNEE ACCEPTS ALL OF THE SAME IN THEIR "AS IS," "WHERE IS," CONDITION, AND EACH ASSIGNOR EXPRESSLY DISCLAIMS ANY LIABILITY ARISING IN CONNECTION WITH ANY PRESENCE OR ENVIRONMENTAL CONDITIONS, NORM OR MMMF ON THE OIL AND GAS PROPERTIES.**

**From and after the Effective Time, Assignee hereby agrees to assume, be bound by and subject to each Assignor's express and implied covenants, rights, obligations and liabilities with respect to the Oil and Gas Properties, and Assignee's interest in the Oil and Gas Properties shall bear its proportionate share of royalty interests, overriding royalty interests and other payments out of or measured by production from and after the Effective Time.**

**This Assignment is made expressly subject to all existing overriding royalties or other burdens affecting the Oil and Gas Properties as listed on Exhibit "A."**

**Assignee and its permitted successors and assigns shall preserve and maintain all lease, contract and title files, well logs, well files, division orders and related files, title documentation, correspondence and other data and records in the possession of Assignor pertaining to the Oil and Gas Properties (the "Records") for a period of two (2) years from the date of acknowledgement of this Assignment, during such period shall afford Assignor and its duly authorized representatives access at all reasonable times during normal business hours to all Records as Assignor shall request in order to defend against, oppose or otherwise investigate any claims or potential claims against Assignor arising as a result of any acts, events or operations prior to the date of acknowledgement of this Assignment or as a result of this Assignment, and shall make any conveyance or transfer of the Oil and Gas Properties specifically subject to the obligations of this paragraph.**

**Notwithstanding any other provision herein to the contrary, this Assignment is made with full substitution and subrogation of Assignee in and to all covenants and warranties by others heretofore given or made to Assignors in respect of the Oil and Gas Properties or any part thereof.**

**The provisions hereof shall be covenants running with the land and shall be binding upon and inure to the benefit of the parties hereto, their respective successors and assigns.**

**In the event two or more Oil and Gas Properties cover the same land (e.g., an oil and gas leasehold interest included within the Oil and Gas Properties may cover the same land as a mineral, royalty or overriding interest included within the Oil and Gas Properties), no merger of title shall occur, and each of the Oil and Gas Properties covering the same land is conveyed and shall be owned by Assignee as a separate and distinct property.**

Separate assignments of certain of the Oil and Gas Properties may be executed on officially approved forms by Assignor to Assignee in sufficient counterparts to satisfy applicable statutory and regulatory requirements. Those assignments shall be deemed to contain all of the exceptions, reservations, rights, titles, power and privileges set forth herein as fully as though they were set forth in each such assignment. The interests conveyed by such separate assignments are the same, and not in addition to, the Oil and Gas Properties conveyed herein.

The parties agree to take all such further actions and execute, acknowledge and deliver all such further documents that are necessary or useful in carrying out the purposes of this Assignment. Assignor agrees to execute, acknowledge and deliver to Assignee all such other additional instruments, notices, division orders, transfer orders and other documents and to do all such other and further acts and things as may be necessary to more fully and effectively grant, convey and assign to Assignee the Oil and Gas Properties conveyed hereby or intended so to be.

This Assignment may be executed in any number of counterparts, and each counterpart hereof shall be deemed to be an original instrument, but all such counterparts shall constitute but one assignment.

References in this Assignment and in Exhibit "A," to contracts, agreements or instruments shall not be deemed to create any rights in favor of any third party.

Assignee joins in the execution hereof for the purpose of being bound by all the terms, provisions, obligations and covenants herein specified.

IN WITNESS WHEREOF, this instrument is signed and executed in multiple counterparts as of the date (s) set forth on the acknowledgements hereto, but, shall be effective for all purposes as of 7:00 o'clock A.M., local time, September 1, 1993 (the "Effective Time").

ASSIGNORS:

PRUDENTIAL-BACHE ENERGY  
GROWTH FUND, L.P. G-1

ATTEST:

By: \_\_\_\_\_

By: Graham Energy, Ltd.,  
as General Partner

By: \_\_\_\_\_

Kenneth M. McKinney  
Vice President

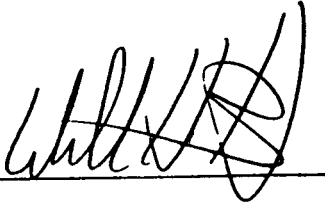
[SEAL]



**PRUDENTIAL-BACHE ENERGY  
GROWTH FUND, L.P. G-2**

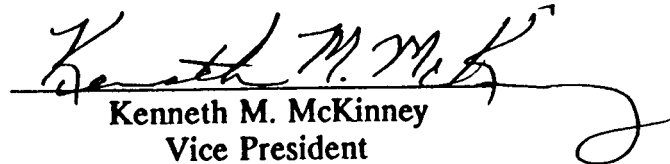
**ATTEST:**

By: \_\_\_\_\_



By: **Graham Energy, Ltd., as  
General Partner**

By: \_\_\_\_\_



**Kenneth M. McKinney  
Vice President**

**[SEAL]**

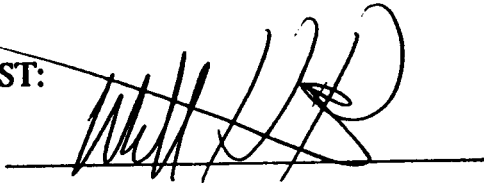
**WITNESSES TO ASSIGNORS'  
SIGNATURES:**

Mina E. Merc

Belinda J. Hunt

**ATTEST:**

By: \_\_\_\_\_



**[SEAL]**

**WITNESSES TO ASSIGNEE'S  
SIGNATURE:**

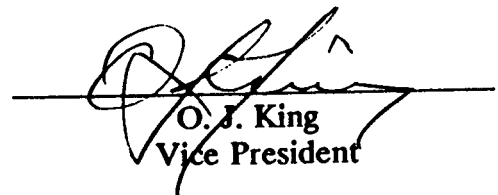
Mina E. Merc

Belinda J. Hunt

**ASSIGNEE:**

**NORTHSTAR GAS COMPANY, INC.**

By: \_\_\_\_\_



**O. J. King  
Vice President**

STATE OF LOUISIANA

PARISH OF ORLEANS

ON THIS, the 20<sup>th</sup> day of October, 1993, before me, the undersigned Notary, personally appeared Kenneth M. McKinney, who acknowledged that he is the Vice President of Graham Energy, Ltd., the general partner of Prudential-Bache Energy Growth Fund, L.P. G-1, a Delaware limited partnership, and that as President he is authorized to execute the foregoing instrument for the purposes therein contained by signing the name of said corporation as general partner of Prudential-Bache Energy Growth Fund, L.P. G-1.

IN WITNESS WHEREOF, I hereunder set my hand and official seal.

  
\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires:

WILLIAM H. HARDIE, III  
NOTARY PUBLIC  
Parish of Orleans, State of Louisiana  
My Commission is issued for Life.

[SEAL]




STATE OF LOUISIANA

PARISH OF ORLEANS

ON THIS, the 20<sup>th</sup> day of October, 1993, before me, the undersigned Notary, personally appeared Kenneth M. McKinney, who acknowledged that he is the Vice President of Graham Energy, Ltd., the general partner of Prudential-Bache Energy Growth Fund, L.P. G-2, a Delaware limited partnership, and that as President he is authorized to execute the foregoing instrument for the purposes therein contained by signing the name of said corporation as general partner of Prudential-Bache Energy Growth Fund, L.P. G-2.

IN WITNESS WHEREOF, I hereunder set my hand and official seal.

  
\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires

WILLIAM H. HARDIE, III  
NOTARY PUBLIC  
Parish of Orleans, State of Louisiana  
My Commission is issued for Life.

[SEAL]



STATE OF LOUISIANA

PARISH OF ORLEANS

ON THIS, the 20<sup>th</sup> day of October, 1993, before me, the undersigned Notary, personally appeared O. J. King, who acknowledged that he is the Vice President of Northstar Gas Company, Inc., a Texas corporation, and that as Vice President he is authorized to execute the foregoing instrument for the purposes therein contained by signing the name of said corporation.

IN WITNESS WHEREOF, I hereunder set my hand and official seal.



NOTARY PUBLIC

My Commission Expires:

**WILLIAM H. HARDIE, III**  
NOTARY PUBLIC  
Parish of Orleans, State of Louisiana  
My Commission is issued for Life.

[SEAL]



**EXHIBIT "A"**  
**ATTACHED TO ASSIGNMENT,**  
**BILL OF SALE AND CONVEYANCE**  
**PART I**  
**LANDS AND LEASES**  
**ALL IN GRAND COUNTY, UTAH UNLESS OTHERWISE SPECIFIED**

Lease Serial Number	Lessor	Lessee	Description of Lands	Book	Page	Lease Date	Associated Properties
ML-22208 (1038)	State of Utah	Atlantic Richfield Company	T15 1/2S, R24E, S1M Sec. 36: All T16S, R24E, S1M Sec. 2: All	220	177	9-28-64	ARCO State 2-1, 2-2, 36-7, 36-8
U-29645 (1174)	U.S.A.	Atlantic Richfield Company	T16S, R25E, S1M Sec. 27: SW/4, S/2 SE/4 Sec. 34: NE/4, NE/4 NW/4, NE/4 SE/4			5-1-75	ARCO 27-1 Valentine Fed #2 ARCO Fed D-1
ML-25151 (191-1)	State of Utah	Sinclair Oil & Gas Company	T16S, R25E, S1M Section 2: All	163	390	3-7-68	Bittercreek #1
J-0126528 (174-1)	U.S.A.	James F. Gilbert	T16S, R25E, S1M Sec. 11: N/2, N/2 SW/4, SE/4 SW/4, SE/4 Sec. 12: S/2			12-1-63	Federal Gilbert #1 Federal 174-1 ARCO Fed H-1
U-0141420 (180-1)	U.S.A.	Sinclair Oil Company	T16S, R25E, S1M Sec. 11: SW/4 SW/4			8-1-64	Federal 174-1
ML-4113 (44-1)	State of Utah	Lois A. Aubrey	T16S, R25E, S1M Sec. 16: All	6-Q	207	1-2-52	San Arroyo Unit Area
U-05011-A (45-2)	U.S.A.	Pierce T. Norton	T16S, R25E, S1M Sec. 14: NW/4, SE/4 SE/4, N/2 SE/4, NE/4 SW/4 Sec. 15: NE/4			9-1-51 *4-1-55	Tenneco Fed 14-2 San Arroyo Unit Area

Lease Segregated Effective

## EXHIBIT "A"

## PART I

Lease Serial Number	Lessor	Lessee	Description of Lands	Book	Page	Lease Date	Associated Properties
U-0369 (46-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 23: N/2 Sec. 24: W/2, SE/4, S/2 NE/4 Sec. 25: All Sec. 26: N/2 S/2, SE/4 SW/4, S/2 SE/4			2-1-51	San Arroyo Unit Area
SL-071307 (47-1)	U.S.A.	James E. Croudace	T16S, R25E, SLM Sec. 23: S/2 Sec. 26: N/2			12-1-50	San Arroyo Unit Area
U-0370-A (48-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 21: E/2 NE/4, NE/4 SE/4 Sec. 22: All Sec. 27: NE/4, NE/4 NW/4, NE/4 SE/4			2-1-51 *6-1-55	San Arroyo Unit Area
U-05059-A (49-2)	U.S.A.	L. J. Batchelor	T16S, R25E, SLM Sec. 15: NW/4 SW/4, E/2 NW/4, SW/4 NW/4			10-1-51 *9-19-61	San Arroyo Unit Area
U-06021 (51-1)	U.S.A.	Fred A. Moore	T16S, R26E, SLM Sec. 29: S/2, S/2 NW/4, NW/4 NW/4			2-1-52	San Arroyo Unit Area
U-06023 (52-1)	U.S.A.	Adiel E. Stewart	T16S, R26E, SLM Sec. 30: All Sec. 31: N/2 N/2			2-1-52	San Arroyo Unit Area
U-06188 (53-1)	U.S.A.	C. M. Rood	T16S, R26E, SLM Sec. 19: SW/4, S/2 NW/4, W/2 SE/4, SE/4 SE/4			*3-1-52	San Arroyo Unit Area

Lease Segregated Effective

**EXHIBIT "A"**  
**PART I**

<b>Lease Serial Number</b>	<b>Lessor</b>	<b>Lessee</b>	<b>Description of Lands</b>	<b>Book</b>	<b>Page</b>	<b>Lease Date</b>	<b>Associated Properties</b>
U-05011-B (56-1)	U.S.A.	Pierce T. Norton	T16S, R25E, SLM Sec. 14: SW/4 SE/4, W/2 SW/4, SE/4 SW/4 Sec. 15: SE/4			9-1-51 *2-1-57	San Arroyo Unit Area
U-05059-C (57-1)	U.S.A.	L. J. Batchelor	T16S, R25E, SLM Sec. 15: E/2 SW/4, SW/4 SW/4			*3-1-57	San Arroyo Unit Area
U-025243 (60-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 24: W/2 NE/4			*8-27-57	San Arroyo Unit Area
U-025245 (61-1)	U.S.A.	Fred A. Moore	T16S, R26E, SLM Sec. 29: NE/4 NW/4			2-1-52 *9-1-57	San Arroyo Unit Area
U-025297 (64-2)	U.S.A.	C. M. Rood	T16S, R26E, SLM Sec. 19: W/2 W/2 S/2 NE/4, NE/4 SE/4 Sec. 20: W/2			3-1-52	San Arroyo Unit Area
U-06188-B (74-1)	U.S.A.	Sinclair Oil Corporation	T16S, R25E, SLM Sec. 35: W/2			3-1-52	San Arroyo Unit Area
U-05059-F (134-1)	U.S.A.	L. J. Batchelor	T16S, R25E, SLM Sec. 15: NW/4 NW/4			10-1-51 *9-19-61	San Arroyo Unit Area
U-025243-A (139-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 26: SW/4 SW/4			2-1-51 *1-1-61	San Arroyo Unit Area
U-05650 (176-1)	U.S.A.	Virginia E. Lewis	T16S, R26E, SLM Sec. 21: Lots 2, 3, 4, W/2 W/2 Sec. 20: E/2 Sec. 28: Lots 1, 2, 3, 4 W/2 W/2 Sec. 29: NE/4			12-1-51	San Arroyo Unit Area

**Lease Segregated Effective**

**EXHIBIT "I"**  
**PART I**

<b>Lease Serial Number</b>	<b>Lessor</b>	<b>Lessee</b>	<b>Description of Lands</b>	<b>Book</b>	<b>Page</b>	<b>Lease Date</b>	<b>Associated Properties</b>
U-0136529 (4000-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLH Sec. 21: W/2 NE/4, E/2 NW/4, W/2 SE/4, SE/4 SE/4, NE/4 SW/4, Sec. 27: W/2 NW/4, SE/4 NW/4, NW/4 SE/4 Sec. 28: NE/4 NE/4			2-1-51 *1-22-64	San Arroyo Unit Area
U-05650-A (177-1)	U.S.A.	Virginia E. Lewis	T16S, R26E, SLH Sec. 21: Lot 1			12-1-51 *10-1-61	San Arroyo Unit Area
U-9831 (949)	U.S.A.	Williams H. Short, Jr. and Franklin Knobel	T16S, R25E, SLH INsofar AND ONLY INsofar as said lease covers: Sec. 6: All			10-10-69	ARCO Fed B-1
U-14234	U.S.A.	Arthur E. Meinhart	T15S, R24E, SLH Sec. 30: All Sec. 31: All Uintah Co., UT			4-1-71	Black Horse Canyon Federal 31-1

**Lease Segregated Effective**



**EXHIBIT A**  
**Attached to Assignment,**  
**Bill of Sale and Conveyance**

**Part II**

**[OMITTED]**

**EXHIBIT A**  
**ATTACHED TO ASSIGNMENT, BILL OF SALE AND CONVEYANCE**  
**PART III**  
**CONTRACTS AND AGREEMENTS**

**PROPERTY  
REFERENCE**

- |  |  |
|--|--|
| San Arroyo<br>Unit Area                                | 1. Unit Agreement for the Development and Operation of the San Arroyo Unit Area, dated June 11, 1956.  |
| San Arroyo<br>Unit Area                                | 2. Unit Operating Agreement for the San Arroyo Unit Area, dated August 16, 1961.   |
| Valentine<br>Fed #2                                    | 3. Communitization Agreement covering the W $\frac{1}{2}$ of Section 34, T16S-R25E.  |
| ARCO<br>Fed. D-1                                       | 4. Communitization Agreement covering the E $\frac{1}{2}$ of Section 34, T16S-R25E.  |
| Fed. 174-1   | 5. Communitization Agreement, dated March 3, 1965 covering the W $\frac{1}{2}$ Section 11, T16S-R25E.  |
| Tenneco<br>Fed. 14-2                                   | 6. Communitization Agreement dated January 1, 1980, covering the N $\frac{1}{2}$ of Section 14, T16S-R25E.   |
| Tenneco<br>Fed. 14-2                                   | 7. Operating Agreement dated June 5, 1980, designating Tenneco Oil Company as Operator and covering the N $\frac{1}{2}$ of Section 14, T16S-R25E.  |
| ARCO<br>Fed. H-1<br>Fed. D-1                           | 8. Farmout Agreement and Operating Agreement dated August 16, 1982, between ARCO Oil & Gas Company and TXO Production Corp., covering the S $\frac{1}{2}$ Section 12, T16S-R25E.   |
| San Arroyo<br>Unit Area                                | 9. Farmout Agreement dated June 6, 1955 by and between H. W. Dougherty and Sinclair Oil and Gas Company, covering lands in sections 21, 22, 23, 24, 25, 26 and 27, T16S-R25E.  |
| ARCO<br>Fed. B-1,<br>Fed. C-1;<br>Valentine<br>Fed. #2 | 10. Farmout Agreement and Operating Agreement between ARCO Oil and Gas Company and Texas Oil and Gas Corp., dated September 30, 1979, covering all of Sections 6 and 34 and the N $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{2}$ NE $\frac{1}{4}$ and S $\frac{1}{2}$ N $\frac{1}{2}$ of Section 35, T16S-R25E. |

EXHIBIT "A"  
ATTACHED TO AND MADE A PART OF THE  
ASSIGNMENT, BILL OF SALE AND CONVEYANCE  
PART IV  
INTEREST IN PROPERTIES AND WELLS

PAGE 1

PROPERTY NAME	COUNTY	STATE	OPERATOR	WORKING INTEREST DECIMAL	NET REVENUE INTEREST DECIMAL	OVERRIDING ROYALTY INTEREST DECIMAL
ARCO STATE #2-1	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO STATE #2-2	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO STATE #36-7	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO STATE #36-8	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO STATE #27-1	GRAND	UTAH	URI	1.000000000	0.875000000	
VALENTINE FED. #2	GRAND	UTAH	LONE MIN.	0.043750000	0.038281200	
FEDERAL 174 #1	GRAND	UTAH	URI	1.000000000	0.848750000	
BITTERCREEK #1	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO FEDERAL #B-1	GRAND	UTAH	LONE MIN.	0.000000000	0.000000000	0.125000000
ARCO FEDERAL #C-1	GRAND	UTAH	LONE MIN.	0.500000000	0.420000000	
ARCO FEDERAL #D-1	GRAND	UTAH	LONE MIN.	0.218750000	0.191406200	
ARCO FEDERAL #H-1	GRAND	UTAH	LONE MIN.	0.000000000	0.000000000	0.062500000
TENNECO FED. #14-2	GRAND	UTAH	LONE MIN.	0.500000000	0.412500000	
GILBERT FEDERAL #1	GRAND	UTAH	URI	1.000000000	0.845000000	

SAN ARROYO UNIT AREA  
ENTRADA PARTICIPATING AREA

SAN ARROYO #1	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #2	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #3	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #5	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #6	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #40U	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #40L	GRAND	UTAH	URI	1.000000000	0.825000000

San Arroyo Wells ARE SUBJECT TO A NET PROFITS INTEREST CREATED BY AND SUBJECT TO THAT CERTAIN FARMOUT AGREEMENT DATED JUNE 6, 1955.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**NORTHSTAR GAS COMPANY INC.**

3. Address and Telephone No. **820 GESSNER SUITE 1630  
HOUSTON TX 77024 713-935-9542**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**31NWSE 15S 24E**

5. Lease Designation and Serial No.  
**UTU14234**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**31-1**

9. API Well No.

**4304730765**

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**UINTAH COUNTY, UTAH**

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other

**CHANGE OF OPERATOR**

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**EFFECTIVE 09-01-93 NORTHSTAR GAS CO INC. BECAME THE OPERATOR OF THE ABOVE WELL.**

VERNAL DIST.  
ENG. 221 5 1994  
GEOL. \_\_\_\_\_  
E.S. \_\_\_\_\_  
PET. \_\_\_\_\_  
A.M. \_\_\_\_\_

MAY 31 1994

MAY 1994  
Received  
DOI-BLM  
Vernal, Utah

14. I hereby certify that the foregoing is true and correct

Signed **PAUL BERNARD**

Title **SEC/TREAS**

Date **05-03-94**

(This space for Federal or State office use)

Approved by Elinor G. Johnson

acting

**ASSISTANT DISTRICT  
MANAGER MINERALS**

Date **MAY 1 1994**

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Be advised that Northstar Gas Co. Inc. is considered to be the operator of Well No. Black Horse Canyon Federal 31-1, Sec. 31, Lot 3, 15S, 25E, Lease UTU14234, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond Coverage for this well is provided by Bond No. UT0845. (Principal - Northstar Gas Co. Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1- LEC 7-PL	✓
2- LWP 8-SJ	✓
3- <del>DTA</del> 9-FILE	✓
4- VLC	✓
5- RJF	✓
6- LWP	✓

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-1-93)

TO (new operator) NORTHSTAR GAS COMPANY INC  
 (address) 820 GESSNER #1630  
HOUSTON TX 77024  
PAUL BERNARD  
 phone ( 713 ) 935-9542  
 account no. N 6680

FROM (former operator) GRAHAM ROYALTY LTD  
 (address) 820 GESSNER #1630  
HOUSTON TX 77024  
C/O NORTHSTAR GAS CO INC  
 phone (713 ) 935-9542  
 account no. N 0505(A)

Well(s) (attach additional page if needed):

Name: <u>FEDERAL 31-1/DKTA</u>	API: <u>43-047-30765</u>	Entity: <u>8345</u>	Sec: <u>31</u>	Twp: <u>15S</u>	Rng: <u>24E</u>	Lease Type: <u>U14234</u>
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 1-14-94) (Reg. 3-28-94) (Rec'd "Assignment & Bill of Sale" 4-11-94)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 1-14-94)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (6-3-94)
- LWP 6. Cardex file has been updated for each well listed above. 6-6-94
- LWP 7. Well file labels have been updated for each well listed above. 6-6-94
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (6-3-94)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

- N/A Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no)     . Today's date                      19    . If yes, division response was made by letter dated                      19    .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A Yes 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated                      19    , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

### FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: June 10 1994.

### FILING

- ✓ 1. Copies of all attachments to this form have been filed in each well file.
- ✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

940603 Btm/Vine/ Aprv. 5/94 rH. 9-1-93. (other wells handled on separate chgs)



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

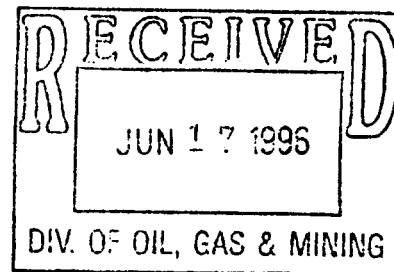
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:  
3162.3  
UT08438

June 14, 1996

Enogex Exploration Corporation  
Attn: C. H. Gilmore, Jr  
P O Box 24300  
Oklahoma City, OK 73124-0300



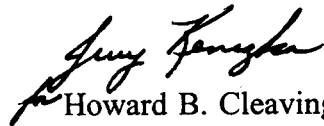
Re: Well No 31-1  
Lot 3, Sec. 31, T15S, R24E  
Lease U-14234  
Uintah County, Utah

Dear Mr. Gilmore:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Enogex Exploration Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1044, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (801) 789-1362.

Sincerely,

  
Howard B. Cleavinger II  
Assistant Field Manager,  
Minerals Resources

cc: Northstar Gas Company Inc.  
Division of Oil, Gas & Mining  
Realty Div.





600 Central Park Two / 515 Central Park Drive / Oklahoma City, OK 73105  
Post Office Box 24300 / Oklahoma City, Oklahoma 73124-0300  
405 525-7788 / FAX 405 557-5258

July 1, 1996

Ms. Lisha Cordova  
State of Utah  
Oil and Gas Division  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Sundry Notices for Change of Operator  
#31-1  
Uintah County, Utah

Dear Lisha,

In compliance with our telephone conversation this date, enclosed is a copy of our Sundry Notices for Change of Operator for the captioned well.

Also, enclosed, in case these were not previously provided, are copies of Sundry Notices for additional perforations for the San Arroyo Unit #11, #12 and #25.

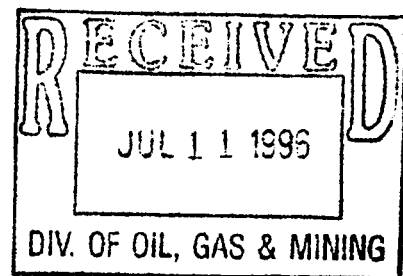
If any thing further is needed, please contact the undersigned at 405 557-5281.

Sincerely,

A handwritten signature in cursive script that reads 'Claudine Gilliam'.

Claudine Gilliam  
Senior Landman

Encl.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

ENOGEX EXPLORATION CORPORATION

3. Address and Telephone No.

P.O. Box 24300, Oklahoma City, Oklahoma 73124-0300 405 525-7788

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

31 NWSE 15S 24E

5. Lease Designation and Serial No.

UTU14234

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

31-1

9. API Well No.

4304730765

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other CHANGE OF OPERATOR

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

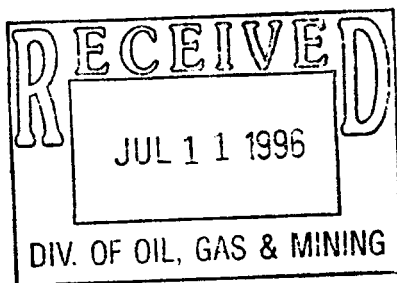
☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

EFFECTIVE 03-01-96 ENOGEX EXPLORATION CORPORATION BECAME THE OPERATOR OF THE ABOVE WELL.



RECEIVED  
APR 29 1996

14. I hereby certify that the foregoing is true and correct

Signed C. H. Gilmore, Jr.

Title Director

Date 4/25/96

(This space for Federal or State office use)

Approved by [Signature]

Title Assistant Field Manager  
Mineral Resources

Date JUN 14 1996

SELF-CERTIFICATION STATEMENT

Be advised that ENOGEX EXPLORATION CORPORATION is considered to be the operator of Well No. 31-1, (11) NWSE, Sec. 31, T. 15 S., R. 24 E., Lease UTU14234, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond Coverage for this well is provided by Bond No. 71S100949950.

(Principal Enogex Exploration Corporation) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

## OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	6-LEC
2-GLH	7-KDR
3-DTS	8-SJ
4-VLD	9-FILE
5-RJF	

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 3-1-96

TO: (new operator) ENOGEX EXPLORATION CORP  
 (address) PO BOX 24300  
OKLAHOMA CITY OK 73124-0300

Phone: (405) 525-778Account no. N7430

FROM: (old operator) NORTHSTAR GAS COMPANY INC  
 (address) 820 GESSNER #1630  
HOUSTON TX 77024

Phone: (713) 935-9542Account no. N6680

WELL(S) attach additional page if needed:

Name: <u>FEDERAL 31-1/DKTA</u>	API: <u>43-047-30765</u>	Entity: <u>8345</u>	S <u>31</u>	T <u>15S</u>	R <u>24E</u>	Lease: <u>U-14234</u>
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- X 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Sec. BLM Appr.)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Reg. 6-12-96) (Rec'd 7-11-96)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_\_. If yes, show company file number: \_\_\_\_\_.
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(7-12-96)*
- lec 6. Cardex file has been updated for each well listed above. *(7-12-96)*
- lec 7. Well file labels have been updated for each well listed above. *(7-12-96)*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(7-12-96)*
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- Lee 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

- N/A 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- Lee 2. A copy of this form has been placed in the new and former operator's bond files.
3. The **FORMER** operator has requested a release of liability from their bond (yes/no)       , as of today's date       . If yes, division response was made to this request by letter dated       .

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on        to        at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- ETS 7/15/96

## FILMING

- ✓ 1. All attachments to this form have been microfilmed. Today's date: August 20, 1996

## FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

## COMMENTS

9/6/97 BLM/Vernal Aprv. 6-14-96

# Crescendo Energy, LLC

P.O. Box 1814  
Midland, TX 79702  
Phone: 915-697-7221  
Fax: 915-697-7289

August 23, 2000

Attn: Mr. Jim Thompson  
Utah Division of Oil, Gas & Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

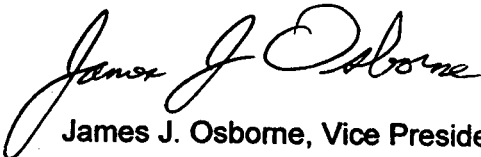
Re: Change of Operator

Dear Mr. Thompson:

The attached list of properties was formerly owned and operated by Enogex Exploration Corporation. Crescendo Energy, LLC has purchased the properties and has taken over operations. If you have any questions, please feel free to contact me at the phone number listed above.

Sincerely yours,  
Crescendo Energy, LLC

By: Crescendo Energy Partners, LLC, its  
Managing Member

  
James J. Osborne, Vice President

Confirmation by Previous Operator:

Enogex Exploration Corporation

By: 

Name (Print): CHRIS J. HAUGEN

Title: Manager, E&P

## CRESCENDO ENERGY, LLC

API NUMBER	Well Name	Entity	WELL STATUS
4301915886	SAN ARROYO # 3	500	P
4301915887	SAN ARROYO # 4	500	P
4301915890	SAN ARROYO # 8	500	P
4301915891	SAN ARROYO # 9	500	P
4301915892	SAN ARROYO #11	500	P
4301915893	SAN ARROYO #12	500	P
4301915894	SAN ARROYO #13	500	P
4301915896	SAN ARROYO #16	500	S
4301915897	SAN ARROYO #17	500	P
4301915898	SAN ARROYO #18	500	P
4301915899	SAN ARROYO #19	500	P
4301915900	SAN ARROYO #20	500	P
4301915901	SAN ARROYO #21	500	P
4301915902	SAN ARROYO #22	500	P
4301915903	SAN ARROYO #24	500	P
4301915904	SAN ARROYO #25	500	P
4301915905	SAN ARROYO #26	500	P
4301915906	SAN ARROYO #27	500	P
4301915907	SAN ARROYO #28	500	P
4301915908	SAN ARROYO #29	500	P
4301915909	SAN ARROYO #30	500	P
4301930527	SAN ARROYO #31	500	P
4301930528	SAN ARROYO #32	500	P
4301930608	SAN ARROYO #33	500	S
4301911090	SAN ARROYO #35	500	P
4301931251	SAN ARROYO #36A	500	P
4301931252	SAN ARROYO #37	500	P
4301931253	SAN ARROYO #38	500	P
4301931289	SAN ARROYO #41	500	P
4301931290	SAN ARROYO #42	500	P
4301931291	SAN ARROYO #43	500	P
4301931301	SAN ARROYO #44	500	P
4301931299	SAN ARROYO #45	500	P
4301931318	SAN ARROYO #47	500	P
4301931316	SAN ARROYO #49	500	P
4301916532	SAN ARROYO # 1	505	S
4301915885	SAN ARROYO # 2	505	S
4301915888	SAN ARROYO # 5	505	S
4301915889	SAN ARROYO # 6	505	S
4301931250	SAN ARROYO #40	505	S
4301930047	BITTERCREEK #1	515	P
4301930240	ARCO STATE #2-1	520	P
4301930241	ARCO STATE #2-2	520	P
4301915884	FEDERAL 174 #1	8340	P
4301911089	GILBERT FEDERAL #1	8341	P
4304730765	BLACKHORSE FEDERAL #31-1	8345	P
4301931162	ARCO STATE #36-7	9710	P
4301931192	ARCO STATE #36-8	9710	P
4301930570	ARCO STATE #27-1	11595	P



Utah Department of Commerce  
Division of Corporations & Commercial Code  
160 East 300 South, 2nd Floor, Box 146705  
Salt Lake City, UT 84114-6705  
Service Center: (801) 530-4849  
Toll Free: (877) 526-3994 Utah Residents  
Fax: (801) 530-6438  
Web site: <http://www.commerce.state.ut.us>

CRESCENDO ENERGY, LLC


August 4, 2000

## CERTIFICATE OF EXISTENCE

Registration Number: PENDING  
Business Name: CRESCENDO ENERGY, LLC  
Registered Date: JULY 13, 2000  
Foreign or Domestic: FOREIGN  
Current Status: GOOD STANDING

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah.



  
Lorena Rizzo-Jenson  
Division Director of  
Corporations and Commercial Code

Dept. of Professional Licensing  
(801)530-6628

Real Estate  
(801)530-6747

Public Utilities  
(801)530-6651

Securities  
(801)530-6600

Consumer Protection  
(801)530-6601



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CRESCENDO ENERGY PARTNERS, LLC

3. Address and Telephone No.

P.O. BOX 1814, MIDLAND, TX 79702 (915) 697-7221

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SECTION 31-T15S-R24E  
1820' FSL, 500' FWL

5. Lease Designation and Serial No.

U-14234

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

BLACK HORSE CANYON FEDERAL

9. API Well No. NO. 31-1

43-047-30765

10. Field and Pool, or Exploratory Area

BLACK HORSE CANYON

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other CHANGE OF OPERATOR

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

CHANGE OF OPERATOR

CRESCENDO ENERGY PARTNERS, LLC IS TAKING OVER OPERATIONS OF THE ABOVE CAPTIONED WELL.

CRESCENDO ENERGY PARTNERS, LLC IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF.

BOND COVERAGE FOR THIS WELL WILL BE PROVIDED BY BLM BOND NO 0437484

EFFECTIVE DATE: JUNE 30, 2000

RECEIVED

OCT 10 2000

DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title ENGINEER

Date 9-28-00

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

November 8, 2000

Crescendo Energy Partners, LLC  
P. O. Box 1814  
Midland, TX 79702

Re: Well No. Black Horse Canyon Fed. 31-1  
NWSW, Sec. 31, T15S, R24E  
Lease No. U-14234  
Uintah County, Utah

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Crescendo Energy Partners, LLC is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1184, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Leslie Crinklaw of this office at (435) 781-4400.

Sincerely,

Ed Forsman  
Petroleum Engineer  
Minerals Resources

cc: Enogex Exploration  
Division Oil, Gas, & Mining

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH		4-KAS
2. CDW	✓	5-8701 ✓
3. JLT		6-FILE

Enter date after each listed item is completed

**X Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: **06/30/2000**

<b>FROM: (Old Operator):</b>
ENOGEX EXPLORATION CORPORATION
Address: P. O. BOX 24300
OKLAHOMA CITY, OK 73124-0300
Phone: 1-(405)-525-7788
Account No. N7430

<b>TO: ( New Operator):</b>
CRESCENDO ENERGY PARTNERS LLC
Address: P. O. BOX 1814
MIDLAND, TX 79702
Phone: 1-(915)-697-7221
Account No. N1365

CA No.

Unit:

## WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
BLACK HORSE CANYON FEDERAL 31-1	43-047-30765	8345	31-15S-24E	FEDERAL	GW	P

## OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 04/23/2000
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 10/10/2000
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 11/27/2000
4. Is the new operator registered in the State of Utah: YES Business Number: PENDING 8/24/00
5. If **NO**, the operator was contacted contacted on: \_\_\_\_\_
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 11/08/2000
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Prog:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

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**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 11/27/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/27/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

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**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

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**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: \_\_\_\_\_
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

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**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 3.5.01

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**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

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**COMMENTS:**

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
2. NAME OF OPERATOR: Slate River Resources, LLC N2725		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: San Arroyo Unit and other wells
3. ADDRESS OF OPERATOR: 418 Main Street, Ste. 18 CITY Vernal STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: See attached
PHONE NUMBER: (435) 781-1870		8. WELL NAME and NUMBER: See attach
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached schedule of wells		9. API NUMBER: See attached
COUNTY: Grand		10. FIELD AND POOL, OR WILDCAT: See attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Crescendo Energy, LLC is a wholly owned subsidiary of Slate River Resources, LLC. All the wells, properties and leasehold interest of Crescendo Energy, LLC has been assigned to Slate River Resources, LLC. We request a change of Operator from Crescendo Energy, LLC to Slate River Resources, LLC on the wells listed on the attached schedule, including a change of Operator of the San Arroyo Unit Area effective November 1, 2005.

The Bond numbers for Slate River Resources, LLC are:

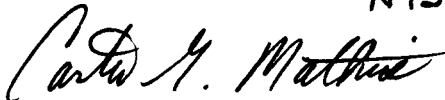
State of Utah DOGM Bond B001556 \$120,000

State of Utah Bond of Lessee B001760 \$ 15,000 being transferred from Crescendo to Slate River Resources, LLC

Federal Utah Statewide Bond UTB000187 \$ 25,000 being transferred from Crescendo to Slate River Resources, LLC

Crescendo Energy, LLC

N1365



Carter G. Mathies, President

NAME (PLEASE PRINT) Gary D. Davis	TITLE President, Slate River Resources, LLC
SIGNATURE 	DATE 11/10/2005

(This space for State use only)

APPROVED 11/29/05



Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

NOV 16 2005

DIV. OF OIL, GAS & MINING

## SLATE RIVER RESOURCES, LLC, OPERATOR

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Qtr/Qtr	Section	Township-Range		PNL/
43-019-30570-00-0	CRESCENDO ENERGY LLC	ARCO 27-1	Gas Well	Producing	SAN ARROYO	GRAND	NWSW	27	16S-25E	U-29645	1700
43-019-31162-00-0	CRESCENDO ENERGY LLC	ARCO STATE 36-7	Gas Well	Producing	EAST CANYON	GRAND	SWSE	36	15.5S-24E	ML-22208	852
43-019-31192-00-0	CRESCENDO ENERGY LLC	ARCO STATE 36-8	Gas Well	Producing	EAST CANYON	GRAND	SWSW	36	15.5S-24E	ML-22208	1285
43-019-30240-00-0	CRESCENDO ENERGY LLC	ARCO-STATE 2-1	Gas Well	Producing	EAST CANYON	GRAND	NESE	2	16S-24E	ML-22208	2420
43-019-30241-00-0	CRESCENDO ENERGY LLC	ARCO-STATE 2-2	Gas Well	Shut-In	EAST CANYON	GRAND	NWNW	2	16S-24E	ML-22208	1425
43-019-30047-00-0	CRESCENDO ENERGY LLC	BITTER CREEK 1	Gas Well	Producing	SAN ARROYO	GRAND	SWSE	2	16S-25E	ML-25151	1080
43-047-30765-00-0	CRESCENDO ENERGY LLC	BLACK HORSE CANYON FED 31-1	Gas Well	Producing	BLACK HORSE CYN	UINTAH	NWSW	31	15S-24E	U-14234	2030
43-019-15884-00-0	CRESCENDO ENERGY LLC	FEDERAL 174 1	Gas Well	Producing	SAN ARROYO	GRAND	SESW	11	16S-25E	U-126528	1940
43-019-31432-00-0	CRESCENDO ENERGY LLC	FEDERAL 27-2	Gas Well	Approved permit (APD); not yet spudd	SAN ARROYO	GRAND	SESE	27	16S-25E	U-29645	1110
43-019-31318-00-0	CRESCENDO ENERGY LLC	FEDERAL 47	Gas Well	Producing	SAN ARROYO	GRAND	NWNE	31	16S-26E	U-6023	990
43-019-31410-00-0	CRESCENDO ENERGY LLC	FEDERAL 6-1	Gas Well	Approved permit (APD); not yet spudd	SAN ARROYO	GRAND	SWNW	6	16S-25E	U-9831	1760
43-019-11089-00-0	CRESCENDO ENERGY LLC	FEDERAL GILBERT 1	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	11	16S-25E	U-126528	1140
43-019-16532-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 01	Gas Well	Shut-In	SAN ARROYO	GRAND	SENW	26	16S-25E	USL-71307	1320
43-019-15885-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 02	Gas Well	Shut-In	SAN ARROYO	GRAND	SENW	22	16S-25E	U-370-A	1125
43-019-15886-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 03	Gas Well	Producing	SAN ARROYO	GRAND	SENW	23	16S-25E	U-369	660
43-019-15887-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 04	Gas Well	Producing	SAN ARROYO	GRAND	SESW	30	16S-26E	U-6023	660
43-019-15888-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 05	Gas Well	Shut-In	SAN ARROYO	GRAND	NWSE	25	16S-25E	U-369	820
43-019-15889-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 06	Gas Well	Shut-In	SAN ARROYO	GRAND	SWNE	21	16S-25E	U-136529	1360
43-019-15890-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 08	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	16	16S-25E	ML-4113	2066
43-019-15891-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 09	Gas Well	Producing	SAN ARROYO	GRAND	NWNE	27	16S-25E	U-370-A	1210
43-019-15892-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 11	Gas Well	Producing	SAN ARROYO	GRAND	NESW	15	16S-25E	U-5059-C	2450
43-019-15893-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 12	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	23	16S-25E	USL-71307	1520
43-019-15894-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 13	Gas Well	Producing	SAN ARROYO	GRAND	C-SW	22	16S-25E	U-370-A	660
43-019-15896-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 16	Gas Well	Producing	SAN ARROYO	GRAND	SESW	26	16S-25E	U-369	1990
43-019-15897-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 17	Gas Well	Producing	SAN ARROYO	GRAND	NENE	24	16S-25E	U-25243	660
43-019-15898-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 18	Gas Well	Producing	SAN ARROYO	GRAND	NWNW	30	16S-26E	U-6023	1300
43-019-15899-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 19	Gas Well	Producing	SAN ARROYO	GRAND	SWSE	14	16S-25E	U-5011-B	2600
43-019-15900-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 20	Gas Well	Producing	SAN ARROYO	GRAND	SENE	26	16S-25E	USL-71307	1712
43-019-15901-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 21	Gas Well	Producing	SAN ARROYO	GRAND	NWSE	25	16S-25E	U-369	395
43-019-15902-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 22	Gas Well	Producing	SAN ARROYO	GRAND	NENE	15	16S-25E	U-5011-A	2194
43-019-15903-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 24	Gas Well	Producing	SAN ARROYO	GRAND	SENW	19	16S-26E	U-6188	769
43-019-15904-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 25	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	21	16S-25E	U-136529	1111
43-019-15905-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 26	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	20	16S-26E	U-25297	678
43-019-15906-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 27	Gas Well	Producing	SAN ARROYO	GRAND	NESW	29	16S-26E	U-6021	1787
43-019-15907-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 28	Gas Well	Producing	SAN ARROYO	GRAND	NWNE	29	16S-26E	U-5650	634
43-019-15908-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 29	Gas Well	Producing	SAN ARROYO	GRAND	NENE	22	16S-25E	U-370-A	540
43-019-15909-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 30	Gas Well	Producing	SAN ARROYO	GRAND	NWSW	21	16S-26E	U-5650	945
43-019-30527-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 31	Gas Well	Shut-In	SAN ARROYO	GRAND	NWNW	22	16S-25E	U-370-A	739
43-019-30528-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 32	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	14	16S-25E	U-5011-B	1305
43-019-30608-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 33	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	25	16S-25E	U-369	1977
43-019-11090-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 35	Gas Well	Producing	SAN ARROYO	GRAND	SESW	24	16S-25E	U-369	1875
43-019-31251-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 36-A	Gas Well	Producing	SAN ARROYO	GRAND	SESE	19	16S-26E	U-6188	304
43-019-31252-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 37	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	20	16S-26E	U-5650	2025
43-019-31253-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 38	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	16	16S-25E	ML-4113	1393
43-019-31250-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 40	Gas Well	Shut-In	SAN ARROYO	GRAND	NWNE	27	16S-25E	U-370-A	1482
43-019-31289-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 41	Gas Well	Producing	SAN ARROYO	GRAND	NENE	36	16S-25E	Not CE Lease	1342
43-019-31290-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 42	Gas Well	Producing	SAN ARROYO	GRAND	NESE	30	16S-26E	U-6023	1300
43-019-31291-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 43	Gas Well	Producing	SAN ARROYO	GRAND	NESE	29	16S-26E	U-6021	600
43-019-31301-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 44	Gas Well	Producing	SAN ARROYO	GRAND	SENE	30	16S-26E	U-6023	
43-019-31299-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 45	Gas Well	Producing	SAN ARROYO	GRAND	NWSE	20	16S-26E	U-5650	0

**UTAH SCHEDULE OF WELLS**  
**SLATE RIVER RESOURCES, LLC, OPERATOR**

[illegible]





7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: \_\_\_\_\_

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 11/29/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 11/29/2005
3. Bond information entered in RBDMS on: 11/29/2005
4. Fee/State wells attached to bond in RBDMS on: 11/29/2005
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 11/29/2005

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000187

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number B001556
2. The FORMER operator has requested a release of liability from their bond on: 11/25/2005  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-922)

December 5, 2005


Memorandum

To: Moab Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the state of Delaware. We have updated our records to reflect the merger from Crescendo Energy LLC into Slate River Resources LLC. The merger was approved effective October 31, 2005.

  
for David H. Murphy  
Acting Chief, Branch of  
Fluid Minerals

Enclosure  
Articles of Organization (4 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare  
Dave Mascarenas  
Susan Bauman

RECEIVED

DEC 08 2005

DIV. OF OIL, GAS & MINING

EP

\*\*\*\*\*

LLE: Judy Nordstrom

MEMO WRITTEN: December 5, 2005

**Name of Company:**

**OLD**

**NEW NID**

**Crescendo Energy LLC**  
418 E. Main Street  
Suite 18  
Vernal Utah 84078

**Slate River Resources LLC**  
1600 Broadway  
Suite 900  
Denver CO 80202

\*\*\*\*\*

\_\_\_\_\_  
(DATE) (940) NAME CHANGE RECOGNIZED

October 31, 2005  
(DATE) (817) CORPORATE MERGER RECOGNIZED

\*\*\*\*\*

UTSL-071307

UTU-0369  
UTU-0370A  
UTU-05011A  
UTU-05011B  
UTU-05059A  
UTU-05059C  
UTU-05059F  
UTU-05650  
UTU-05650A  
UTU-06021  
UTU-06023  
UTU-06188  
UTU-06188B  
UTU-025243  
UTU-025245  
UTU-025243A  
UTU-025297  
UTU-0126528  
UTU-0136529  
UTU-0141420  
UTU-9831  
UTU-14234  
UTU-29645  
UTU-60818  
UTU-63022A

**CERTIFICATE OF MERGER**  
**of**  
**CRESCENDO ENERGY, LLC**  
**into**  
**SLATE RIVER RESOURCES, LLC**

This **CERTIFICATE OF MERGER**, dated and effective as of October 31, 2005, has been duly authorized and is filed pursuant to Section 18-209 of the Delaware Limited Liability Company Act (the "Act").

1. The name and jurisdiction of formation or organization of the constituent entities of the merger effectuated hereby are:

<u>Name</u>	<u>Jurisdiction of Organization</u>
Slate River Resources, LLC	Delaware
Crescendo Energy, LLC	Delaware

2. An Agreement and Plan of Merger (the "Merger Agreement") has been duly authorized, approved and executed by each of the limited liability companies to merge pursuant hereto.
3. Slate River Resources, LLC shall be the surviving entity and shall maintain its present name.
4. There are no amendments to the certificate of formation of Slate River Resources, LLC resulting from or incidental to the merger.
5. The merger effected hereby shall be effective upon the filing of this Certificate of Merger in the office of the Secretary of State of the State of Delaware.
6. The Merger Agreement is on file in the principal business office of the surviving entity, Slate River Resources, LLC, which is located at 1600 Broadway, Suite 900, Denver, Colorado 80202.
7. The Merger Agreement will be furnished by Slate River Resources, LLC, or its authorized representative, free of cost, to any member of, or any person holding an interest in, any entity to be merged pursuant hereto.

IN WITNESS WHEREOF, Slate River Resources, LLC, the surviving entity, has caused this Certificate of Merger to be executed by an authorized officer as of the date first written above.

**SLATE RIVER RESOURCES, LLC**

By: \_\_\_\_\_



Carter G. Mathies  
Chief Executive Officer

**SLATE RIVER HOLDINGS, LLC  
UNANIMOUS WRITTEN CONSENT OF  
THE BOARD OF DIRECTORS  
IN LIEU OF A SPECIAL MEETING**

The undersigned, being all of the Members of the Board of Directors of Slate River Holdings, LLC, a Delaware limited liability company (the "Company"), hereby adopt, by unanimous written consent, in accordance with the Delaware Limited Liability Company Act, the following resolutions with the same force and effect as if they had been adopted at a duly convened meeting of the Board:

**WHEREAS**, the Company previously acquired all of the outstanding equity and ownership interests in Crescendo Resources, LLC ("Crescendo Resources"); and

**WHEREAS**, thereafter, the Company consolidated all of the wholly-owned subsidiaries of Crescendo Resources, namely, Crescendo Energy, LLC ("Crescendo Energy") and Entrada Energy Ventures, LLC ("Entrada") (collectively, Crescendo Resources, Crescendo Energy and Entrada are referred to herein as the ("Crescendo Entities") into Crescendo Energy; and

**WHEREAS**, the material assets and operations of all of the Crescendo Entities are held by Crescendo Energy; and

**WHEREAS**, Slate River Resources, LLC ("Slate River Resources"), a wholly-owned subsidiary of the Company, is intended to be the operating entity for all of the Company's business activities; and

**WHEREAS**, the Company has determined that it is in the Company's best interest to operate all of its business activities as a single entity and therefore to merge Crescendo Energy into Slate River Resources, with Slate River Resources being the surviving entity.

**NOW, THEREFORE, BE IT:**

**RESOLVED**, that the Company hereby is authorized to direct its legal counsel to effectuate the merger of the Crescendo Energy into Slate River Resources, with Slate River Resources as the surviving entity, to be effective on October 31, 2005; and be it further

**RESOLVED**, that the Company, and any Authorized Officer (as defined below) on behalf of the Company, hereby is authorized to undertake and perform all other acts, transactions or agreements that are necessary, appropriate, desirable or contemplated by the foregoing Resolutions; and be it further

**RESOLVED**, that all of the acts, transactions, or agreements taken in connection with the foregoing Resolutions hereby are ratified and approved in all respects, and the chief executive officer, chief operating officer, chief financial officer, president, vice president and secretary of the Company, as applicable, (collectively, the "*Authorized Officers*" and each individually, an "*Authorized Officer*") hereby are severally authorized and directed, in the name and on behalf of the Company to negotiate, execute and deliver such instruments, documents, agreements and writings of every kind and character, together with such changes, modifications, additions and deletions as to any or all of the terms and provisions thereof as the Authorized Officer executing such instruments, documents, agreements and

UNANIMOUS WRITTEN CONSENT OF THE BOARD OF DIRECTORS  
IN LIEU OF A SPECIAL MEETING  
(SLATE RIVER HOLDINGS, LLC)

writings shall deem proper (such execution by such Authorized Officer to be conclusive evidence that such Authorized Officer deems all of the terms and provisions thereof to be proper), and to make such attestations to any signatures of officers of the Company, and to do and perform or cause to be done and performed all such other acts as each Authorized Officer shall from time to time deem necessary, advisable or appropriate in order to consummate the acts, transactions, or agreements contemplated by or described in the foregoing Resolutions; and be it further

**RESOLVED**, that the Authorized Officers hereby are severally authorized to execute on behalf of the Company from time to time, amendments or supplements to any of the documents related to or contemplated by the foregoing Resolutions as the Authorized Officer or Authorized Officers executing and delivering the same may in his, her, or their sole and absolute discretion deem appropriate to carry out the purpose and intent of the foregoing Resolutions (such execution by such Authorized Officer or Authorized Officers to be conclusive evidence that such Authorized Officer or Authorized Officers deems all of the terms and provisions thereof to be proper); and be it further

**RESOLVED**, that all acts, transactions, or agreements undertaken prior to the adoption of these Resolutions by any of the officers or representatives of the Company in connection with the foregoing matters hereby are ratified, confirmed and adopted by the Board; and be it further

**RESOLVED**, that any Authorized Officer hereby is authorized and directed to certify these Resolutions; and be it further

**RESOLVED**, that the Authorized Officers (together with such other officers and employees of the Company under their supervision as any of them shall direct) hereby are severally authorized and directed in the name and on behalf of the Company to do or cause to be done any and all further acts and things that they may from time to time deem necessary, advisable or appropriate to carry out the purpose and intent of the foregoing Resolutions.

[Remainder of Page Intentionally Left Blank]

UNANIMOUS WRITTEN CONSENT OF THE BOARD OF DIRECTORS  
IN LIEU OF A SPECIAL MEETING  
(SLATE RIVER HOLDINGS, LLC)

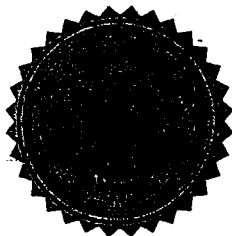
# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "SLATE RIVER RESOURCES, LLC", FILED IN THIS OFFICE ON THE TWENTY-EIGHTH DAY OF JANUARY, A.D. 2005, AT 9:34 O'CLOCK P.M.

ELM-11-250  
2005 NOV -7 AM 9:50



3919255 8100

050074460

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3651875

DATE: 01-31-05

**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**5/15/2008**

**FROM: (Old Operator):**

N2725-Slate River Resources, LLC  
 1600 Broadway, Suite 900  
 Denver, CO 80202

Phone: 1 (303) 592-4448

**TO: ( New Operator):**

N3505-Augustus Energy Partners, LLC  
 2016 Grand Ave, Suite A  
 Billings MT 59012

Phone: 1 (406) 294-5990

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/23/2008
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/23/2008
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/4/2008
- a. Is the new operator registered in the State of Utah: Business Number: 7012268-0161
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: In Process
- c. Reports current for Production/Disposition & Sundries on: OK
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/29/2008
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/29/2008
- Bond information entered in RBDMS on: 5/29/2008
- Fee/State wells attached to bond in RBDMS on: 5/29/2008
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: \_\_\_\_\_

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB00317
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0011628
- b. The **FORMER** operator has requested a release of liability from their bond on: not yet  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached list
2. NAME OF OPERATOR: Augustus Energy Partners, LLC <i>N3505</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 2016 Grand Avenue, Ste A CITY Billings STATE MT ZIP 59012		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		8. WELL NAME and NUMBER: 9. API NUMBER: 10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 12:01 a.m. May 15, 2008 the Operator of this well will change from:

Slate River Resources, LLC  
1600 Broadway, Suite 900  
Denver, CO 80202  
303-592-4448

*N2725*

TO: Augustus Energy Partners, LLC  
2016 Grand Avenue, Suite A  
Billings, MT 59102

BLM Bond # UTB00317 effective 5/13/08

*STATE BOND = RLB 0011638*

Seller: Slate River Resources LLC  
Gary D. Davis, President/CEO

Signature: 

NAME (PLEASE PRINT) <u>Steven D. Durrett</u>	TITLE <u>President</u>
SIGNATURE 	DATE <u>5/15/2008</u>

(This space for State use only)

APPROVED *5/29/08*  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

MAY 23 2008

DIV. OF OIL, GAS & MINING

API Well Number	Well Name	Qtr/Qtr	Section	Township-Range
43-019-11089	FEDERAL GILBERT 1	SWNE	11	16S-25E
43-019-11090	SAN ARROYO U 35	SESW	24	16S-25E
43-019-15884	FEDERAL 174 1	SESW	11	16S-25E
43-019-15885	SAN ARROYO 2	SENW	22	16S-25E
43-019-15886	SAN ARROYO 3	SENW	23	16S-25E
43-019-15887	SAN ARROYO 4	SESW	30	16S-26E
43-019-15888	SAN ARROYO 5	NWSE	25	16S-25E
43-019-15889	SAN ARROYO 6	SWNE	21	16S-25E
43-019-15890	SAN ARROYO 8	SWSW	16	16S-25E
43-019-15891	SAN ARROYO 9	NWNE	27	16S-25E
43-019-15892	SAN ARROYO 11	NESW	15	16S-25E
43-019-15893	SAN ARROYO 12	SWSW	23	16S-25E
43-019-15894	SAN ARROYO 13	C-SW	22	16S-25E
43-019-15896	SAN ARROYO 16	SESW	26	16S-25E
43-019-15897	SAN ARROYO 17	NENE	24	16S-25E
43-019-15898	SAN ARROYO 18	NWNW	30	16S-26E
43-019-15899	SAN ARROYO 19	SWSE	14	16S-25E
43-019-15900	SAN ARROYO 20	SENE	26	16S-25E
43-019-15901	SAN ARROYO 21	NWSE	25	16S-25E
43-019-15902	SAN ARROYO 22	NENE	15	16S-25E
43-019-15903	SAN ARROYO 24	SENW	19	16S-26E
43-019-15904	SAN ARROYO 25	SWNE	21	16S-25E
43-019-15905	SAN ARROYO 26	SWSW	20	16S-26E
43-019-15906	SAN ARROYO 27	NESW	29	16S-26E
43-019-15907	SAN ARROYO 28	NWNE	29	16S-26E
43-019-15908	SAN ARROYO 29	NENE	22	16S-25E
43-019-15909	SAN ARROYO 30	NWSW	21	16S-26E
43-019-16532	SAN ARROYO 1	SENW	26	16S-25E
43-019-30047	BITTER CREEK 1	SWSE	2	16S-25E
43-019-30240	ARCO-STATE 2-1	NESE	2	16S-24E
43-019-30241	ARCO-STATE 2-2	NWNW	2	16S-24E
43-019-30527	SAN ARROYO 31	NWNW	22	16S-25E
43-019-30528	SAN ARROYO 32	SWSW	14	16S-25E
43-019-30570	ARCO 27-1	NWSW	27	16S-25E
43-019-30608	SAN ARROYO 33	SWSW	25	16S-25E
43-019-31162	ARCO STATE 36-7	SWSE	36	15.5S-24E
43-019-31192	ARCO STATE 36-8	SWSW	36	15.5S-24E
43-019-31250	SAN ARROYO U 40	NWNE	27	16S-25E
43-019-31251	SAN ARROYO U 36-A	SESE	19	16S-26E
43-019-31252	SAN ARROYO U 37	SWNE	20	16S-26E
43-019-31253	SAN ARROYO U 38	SWNE	16	16S-25E
43-019-31289	SAN ARROYO U 41	NENE	36	16S-25E
43-019-31290	SAN ARROYO U 42	NESE	30	16S-26E
43-019-31291	SAN ARROYO U 43	NESE	29	16S-26E
43-019-31299	SAN ARROYO 45	NWSE	20	16S-26E
43-019-31301	SAN ARROYO 44	SENE	30	16S-26E
43-019-31316	SAN ARROYO 49	NENW	29	16S-26E
43-019-31318	FEDERAL 47	NWNE	31	16S-26E
43-047-30765	BLACK HORSE CANYON FED 31-1	NWSW	31	15S-24E

RECEIVED

MAY 23 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
USA U-14234

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Augustus Energy Partners, LLC

3a. Address  
2016 Grand Avenue, Suite A  
Billings, MT 59102

3b. Phone No. (include area code)  
406-294-5990

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NWSW, Sec. 31, T15S, R24E, 1820' FSL, 500' FWL

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.  
Black Horse Canyon 31-1

9. API Well No.  
43-047-30765

10. Field and Pool or Exploratory Area  
Black Horse Canyon

11. Country or Parish, State  
Uintah County, Utah

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Effective 12:01 a.m. May 15, 2008, The Operator of this well will change  
From: Slate River Resources LLC To: Augustus Energy Partners LLC  
1600 Broadway, Suite 900 2016 Grand Avenue, Suite A  
Denver, CO 80202 Billings, MT 59102  
303-592-4448 406-294-5990

Effective May 15, 2008 Augustus Energy Partners, LLC is responsible under the terms and conditions of the lease for operations conducted on the leased lands or a portion thereof under Bureau of Land Management Bond #UTB000317.

RECEIVED  
VERNAL FIELD OFFICE  
2008 MAY 19 PM 1 03  
DEPT OF THE INTERIOR  
BUREAU OF LAND MGMT

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Steven D. Durrett

Title President

Signature

Date 05/15/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*Mark Baker*

Petroleum Engineer

Date

JUL 03 2008

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

**VERNAL FIELD OFFICE**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

JUL 16 2008

DIV. OF OIL, GAS & MINING

UDOGH

8



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

<http://www.blm.gov/ut/st/en/fo/vernal/html>



IN REPLY REFER TO:

3160

UT08300

July 3, 2008

Steven D. Durrett  
Augustus Energy Partners, LLC  
2016 Grand Avenue, Suite A  
Billings, MT 59102

Re: Change of Operator  
Well No. Black Horse Canyon Fed 31-1  
NWSW Lot 3, Sec. 31, T15S, R24E  
Uintah County, Utah  
Lease No. UTU-14234

Dear Mr. Durrett:

This correspondence is in regard to the self-certification statement submitted requesting a change of operator for the referenced well. After a review by this office, the change of operator request is approved. Effective immediately, Augustus Energy Partners, LLC is responsible for all operations performed on the above referenced well. All liability will now fall under your bond, BLM Bond No. UTB000317, for all operations conducted on the referenced well on the leased land.

Our records show that a right-of-way, UTU-49209 has been issued for the off lease portion of the pipeline to the subject well. In order for Augustus Energy Partners, LLC to obtain the Bureau of Land Management's approval for the use of this right-of-way, you must have this right-of-way assigned over to Augustus Energy Partners, LLC. Please contact Margo Roberts at (435) 781-4492 for instructions on how to complete the assignment of the right-of-way.

If you have any other questions regarding this matter, please contact Cindy Severson of this office at (435) 781-4455.

Sincerely,

Matt Baker  
Petroleum Engineer

Enclosure

cc: UDOGM  
Slate River Resources, LLC

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**11/11/2013**

<b>FROM: (Old Operator):</b> N3505-Augustus Energy Partners, LLC 2016 Garnd Ave, Suite A Billings, MT 59102  Phone: 1 (406) 294-5990	<b>TO: ( New Operator):</b> N4035-Southwestern Energy Ventures Company, LLC PO Box 1056 Bayfield, CO 81122  Phone: 1 (970) 884-4869
---	--

**CA No.**

**Unit:**

**San Arroyo**

WELL NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List						

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 11/22/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 11/22/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 11/27/2013
- a. Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 8812939-0161
- 5a. (R649-9-2) Waste Management Plan has been received on: N/A
- 5b. Inspections of LA PA state/fee well sites complete on: N/A
- 5c. Reports current for Production/Disposition & Sundries on: 11/27/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):** N/A  
The BLM or BIA has approved the operator for all wells listed within a CA on: Not Yet
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 12/1/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/1/2013
- Bond information entered in RBDMS on: 12/1/2013
- Fee/State wells attached to bond in RBDMS on: 12/1/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: RLB0015347
- Indian well(s) covered by Bond Number: N/A
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0015348
- b. The **FORMER** operator has requested a release of liability from their bond on: 11/22/2013

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

Augustus Energy Partners, LLC (N3505) to Southwestern Energy Ventures Company, LLC (N4035)  
Effective 11/11/2013  
San Arroyo Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Well Type	Well Status
SAN ARROYO U 35	24	160S	250E	4301911090	500	Federal	GW	P
SAN ARROYO 2	22	160S	250E	4301915885	505	Federal	GW	S
SAN ARROYO 3	23	160S	250E	4301915886	500	Federal	GW	P
SAN ARROYO 4	30	160S	260E	4301915887	500	Federal	GW	P
SAN ARROYO 5	25	160S	250E	4301915888	505	Federal	GW	S
SAN ARROYO 6	21	160S	250E	4301915889	505	Federal	GW	S
SAN ARROYO 8	16	160S	250E	4301915890	500	Federal	GW	P
SAN ARROYO 9	27	160S	250E	4301915891	500	Federal	GW	P
SAN ARROYO 11	15	160S	250E	4301915892	500	Federal	GW	S
SAN ARROYO 12	23	160S	250E	4301915893	500	Federal	GW	P
SAN ARROYO 13	22	160S	250E	4301915894	500	Federal	GW	P
SAN ARROYO 16	26	160S	250E	4301915896	500	Federal	GW	P
SAN ARROYO 17	24	160S	250E	4301915897	500	Federal	GW	P
SAN ARROYO 18	30	160S	260E	4301915898	500	Federal	GW	P
SAN ARROYO 19	14	160S	250E	4301915899	500	Federal	GW	P
SAN ARROYO 20	26	160S	250E	4301915900	500	Federal	GW	P
SAN ARROYO 21	25	160S	250E	4301915901	500	Federal	GW	P
SAN ARROYO 22	15	160S	250E	4301915902	500	Federal	GW	P
SAN ARROYO 24	19	160S	260E	4301915903	500	Federal	GW	P
SAN ARROYO 25	21	160S	250E	4301915904	500	Federal	GW	P
SAN ARROYO 26	20	160S	260E	4301915905	500	Federal	GW	P
SAN ARROYO 27	29	160S	260E	4301915906	500	Federal	GW	P
SAN ARROYO 28	29	160S	260E	4301915907	500	Federal	GW	P
SAN ARROYO 29	22	160S	250E	4301915908	500	Federal	GW	P
SAN ARROYO 30	21	160S	260E	4301915909	500	Federal	GW	P
SAN ARROYO 1	26	160S	250E	4301916532	505	Federal	GW	S
SAN ARROYO 31	22	160S	250E	4301930527	500	Federal	GW	S
SAN ARROYO 32	14	160S	250E	4301930528	500	Federal	GW	S
SAN ARROYO 33	25	160S	250E	4301930608	500	Federal	GW	P
SAN ARROYO U 36-A	19	160S	260E	4301931251	500	Federal	GW	P
SAN ARROYO U 37	20	160S	260E	4301931252	500	Federal	GW	P
SAN ARROYO U 38	16	160S	250E	4301931253	500	State	GW	P
SAN ARROYO U 41	36	160S	250E	4301931289	500	State	GW	P
SAN ARROYO U 42	30	160S	260E	4301931290	500	Federal	GW	P
SAN ARROYO U 43	29	160S	260E	4301931291	500	Federal	GW	S
SAN ARROYO 45	20	160S	260E	4301931299	500	Federal	GW	P
SAN ARROYO 44	30	160S	260E	4301931301	500	Federal	GW	S
SAN ARROYO 49	29	160S	260E	4301931316	500	Federal	GW	P
FEDERAL 47	31	160S	260E	4301931318	500	Federal	GW	P
SAN ARROYO 1625-22O	22	160S	250E	4301931580	505	Federal	GW	S

**BEATTY & WOZNIAK, P.C.**

ATTORNEYS AT LAW

216 SIXTEENTH STREET, SUITE 1100  
DENVER, COLORADO 80202-5115  
TELEPHONE (303) 407-4499  
FACSIMILE (303) 407-4494  
www.bwenergylaw.com

JENNIFER STOLDT

PHONE: (303) 407-4499  
E-MAIL: JSTOLDT@BWENERGYLAW.COM

CASPER

CHEYENNE

DENVER

SALT LAKE CITY

SANTA FE

November 21, 2013

VIA FEDERAL EXPRESS

Utah Division of Oil, Gas and Mining  
Attn: Rachel Medina  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

RECEIVED  
NOV 22 2013  
DIV. OF OIL, GAS & MINING

Re: Sundry Notices and Reports on Wells – Change of Operator (Form 9)  
Our File No.: 9517.0001


Dear Ms. Madina:

Enclosed for notice and filing please find an original and three (3) copies of the Sundry Notices and Reports on Wells, list of wells, and copies of BLM Bond No. RLB0015347 and Utah State Bond No. RLB0015348.

If you have any questions regarding the enclosed documents, please call me directly at 303-407-4459. Thank you for your assistance in this matter.

Very truly yours,

BEATTY & WOZNIAK, P.C.



Jennifer Stoldt

Enclosures  
00292177.DOCX

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
2. NAME OF OPERATOR: Augustus Energy Partners, LLC N3505		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 
3. ADDRESS OF OPERATOR: 2016 Grand Ave. Ste A CITY Billings STATE MT ZIP 59102		7. UNIT or CA AGREEMENT NAME: See Attached List
PHONE NUMBER: (406) 294-5990		8. WELL NAME and NUMBER: See Attached List
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		9. API NUMBER: See Attach
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		10. FIELD AND POOL, OR WILDCAT: See Attached List
COUNTY: See Attached List		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: Change of Operator Effective 11/11/13
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Southwestern Energy Ventures Company, LLC will become operator of the wells per the attached list effective 11/11/2013.  
Attn: Ezra Lee  
P. O. Box 1056  
Bayfield, CO 81122  
970-884-4869  
ezra@crossfire-llc.com

Bond Coverage for operations conducted on these wells is being provided by Southwestern Energy Ventures Company, LLC in the form of a \$ 120,000 statewide Bond.

Utah State bond number LB0015348 Surety number (Letter of credit ) \_\_\_\_\_

BLM Bond Number LB0015347

NAME (PLEASE PRINT) Ezra Lee TITLE Manager

SIGNATURE [Signature] DATE 11-13-13

NAME (PLEASE PRINT) Duane Zimmerman TITLE VP Operations

SIGNATURE [Signature] DATE 11/11/13

(This space for State use only)

APPROVED

DEC 01 2013

(5/2000)

DIV. OIL GAS & MINING

BY: Rachael Medina

\* San Arroyo U40  
not moved b/c its  
a P+ A Federal well.  
(See Instructions on Reverse Side)



	Current Operator	API Well Number	Well Name	Lease #	Unit #	CA #	Entity #	Qtr/Qtr	Sec	Twnshp-Rng
1	AUGUSTUS ENERGY PARTNERS LLC	43-019-11090-00-00	SAN ARROYO U 35	891003589A	UTU63022X		500	SESW	24	16S-25E
2	AUGUSTUS ENERGY PARTNERS LLC	43-019-15885-00-00	SAN ARROYO 2	891003598B	UTU63022X		505	SESW	22	16S-25E
3	AUGUSTUS ENERGY PARTNERS LLC	43-019-15886-00-00	SAN ARROYO 3	891003589A	UTU63022X		500	SESW	23	16S-25E
4	AUGUSTUS ENERGY PARTNERS LLC	43-019-15887-00-00	SAN ARROYO 4	891003589A	UTU63022X		500	SESW	30	16S-26E
5	AUGUSTUS ENERGY PARTNERS LLC	43-019-15888-00-00	SAN ARROYO 5	891003598B	UTU63022X		505	NWSE	25	16S-25E
6	AUGUSTUS ENERGY PARTNERS LLC	43-019-15889-00-00	SAN ARROYO 6	891003598B	UTU63022X		505	SWNE	21	16S-25E
7	AUGUSTUS ENERGY PARTNERS LLC	43-019-15890-00-00	SAN ARROYO 8	891003589A	UTU63022X		500	SWSW	16	16S-25E
8	AUGUSTUS ENERGY PARTNERS LLC	43-019-15891-00-00	SAN ARROYO 9	891003589A	UTU63022X		500	NWNE	27	16S-25E
9	AUGUSTUS ENERGY PARTNERS LLC	43-019-15892-00-00	SAN ARROYO 11	891003589A	UTU63022X		500	NESW	15	16S-25E
10	AUGUSTUS ENERGY PARTNERS LLC	43-019-15893-00-00	SAN ARROYO 12	891003589A	UTU63022X		500	SWSW	23	16S-25E
11	AUGUSTUS ENERGY PARTNERS LLC	43-019-15894-00-00	SAN ARROYO 13	891003589A	UTU63022X		500	C-SW	22	16S-25E
12	AUGUSTUS ENERGY PARTNERS LLC	43-019-15896-00-00	SAN ARROYO 16	891003589A	UTU63022X		500	SESW	26	16S-25E
13	AUGUSTUS ENERGY PARTNERS LLC	43-019-15897-00-00	SAN ARROYO 17	891003589A	UTU63022X		500	NENE	24	16S-25E
14	AUGUSTUS ENERGY PARTNERS LLC	43-019-15898-00-00	SAN ARROYO 18	891003589A	UTU63022X		500	NWNW	30	16S-26E
15	AUGUSTUS ENERGY PARTNERS LLC	43-019-15899-00-00	SAN ARROYO 19	891003589A	UTU63022X		500	SWSE	14	16S-25E
16	AUGUSTUS ENERGY PARTNERS LLC	43-019-15900-00-00	SAN ARROYO 20	891003589A	UTU63022X		500	SENE	26	16S-25E
17	AUGUSTUS ENERGY PARTNERS LLC	43-019-15901-00-00	SAN ARROYO 21	891003589A	UTU63022X		500	NWSE	25	16S-25E
18	AUGUSTUS ENERGY PARTNERS LLC	43-019-15902-00-00	SAN ARROYO 22	891003589A	UTU63022X		500	NENE	15	16S-25E
19	AUGUSTUS ENERGY PARTNERS LLC	43-019-15903-00-00	SAN ARROYO 24	891003589A	UTU63022X		500	SESW	19	16S-26E
20	AUGUSTUS ENERGY PARTNERS LLC	43-019-15904-00-00	SAN ARROYO 25	891003589A	UTU63022X		500	SWNE	21	16S-25E
21	AUGUSTUS ENERGY PARTNERS LLC	43-019-15905-00-00	SAN ARROYO 26	891003589A	UTU63022X		500	SWSW	20	16S-26E
22	AUGUSTUS ENERGY PARTNERS LLC	43-019-15906-00-00	SAN ARROYO 27	891003589A	UTU63022X		500	NESW	29	16S-26E
23	AUGUSTUS ENERGY PARTNERS LLC	43-019-15907-00-00	SAN ARROYO 28	891003589A	UTU63022X		500	NWNE	29	16S-26E
24	AUGUSTUS ENERGY PARTNERS LLC	43-019-15908-00-00	SAN ARROYO 29	891003589A	UTU63022X		500	NENE	22	16S-25E
25	AUGUSTUS ENERGY PARTNERS LLC	43-019-15909-00-00	SAN ARROYO 30	891003589A	UTU63022X		500	NWSW	21	16S-26E
26	AUGUSTUS ENERGY PARTNERS LLC	43-019-16532-00-00	SAN ARROYO 1	891003598B	UTU63022X		505	SESW	26	16S-25E
27	AUGUSTUS ENERGY PARTNERS LLC	43-019-30527-00-00	SAN ARROYO 31	891003589A	UTU63022X		500	NWNW	22	16S-25E
28	AUGUSTUS ENERGY PARTNERS LLC	43-019-30528-00-00	SAN ARROYO 32	891003589A	UTU63022X		500	SWSW	14	16S-25E
29	AUGUSTUS ENERGY PARTNERS LLC	43-019-30608-00-00	SAN ARROYO 33	891003589A	UTU63022X		500	SWSW	25	16S-25E
30	AUGUSTUS ENERGY PARTNERS LLC	43-019-31251-00-00	SAN ARROYO U 36-A	891003589A	UTU63022X		500	SESE	19	16S-26E
31	AUGUSTUS ENERGY PARTNERS LLC	43-019-31252-00-00	SAN ARROYO U 37	891003589A	UTU63022X		500	SWNE	20	16S-26E
32	AUGUSTUS ENERGY PARTNERS LLC	43-019-31253-00-00	SAN ARROYO U 38	891003589A	UTU63022X		500	SWNE	16	16S-25E
33	AUGUSTUS ENERGY PARTNERS LLC	43-019-31289-00-00	SAN ARROYO U 41	891003589A	UTU63022X		500	NENE	36	16S-25E
34	AUGUSTUS ENERGY PARTNERS LLC	43-019-31290-00-00	SAN ARROYO U 42	891003589A	UTU63022X		500	NESE	30	16S-26E
35	AUGUSTUS ENERGY PARTNERS LLC	43-019-31291-00-00	SAN ARROYO U 43	891003589A	UTU63022X		500	NESE	29	16S-26E
36	AUGUSTUS ENERGY PARTNERS LLC	43-019-31299-00-00	SAN ARROYO 45	891003589A	UTU63022X		500	NWSE	20	16S-26E
37	AUGUSTUS ENERGY PARTNERS LLC	43-019-31301-00-00	SAN ARROYO 44	891003589A	UTU63022X		500	SENE	30	16S-26E
38	AUGUSTUS ENERGY PARTNERS LLC	43-019-31316-00-00	SAN ARROYO 49	891003589A	UTU63022X		500	NENW	29	16S-26E
39	AUGUSTUS ENERGY PARTNERS LLC	43-019-31580-00-00	SAN ARROYO 1625-220	891003598B	UTU63022X		505	SWSE	22	16S-25E
40	AUGUSTUS ENERGY PARTNERS LLC	43-019-31250-00-00	SAN ARROYO U 40	891003598B	UTU63022X		505	NWNE	27	16S-25E
41	AUGUSTUS ENERGY PARTNERS LLC	43-019-31318-00-00	FEDERAL 47	891003589A	UTU63022X		500	NWNE	31	16S-26E
44	AUGUSTUS ENERGY PARTNERS LLC	43-019-15884-00-00	FEDERAL 174 1	UTU126528		NW115	8340	SESW	11	16S-25E
42	AUGUSTUS ENERGY PARTNERS LLC	43-047-30765-00-00	BLACK HORSE CANYON FED 31-1	UTU14234			8345	NWSW	31	15S-24E
43	AUGUSTUS ENERGY PARTNERS LLC	43-019-11089-00-00	FEDERAL GILBERT 1	UTU0125628			8341	SWNE	11	16S-25E

	Current Operator	API Well Number	Well Name	Lease #	Unit #	CA #	Entity #	Qtr/Qtr	Sec	Twtnshp-Rng
45	AUGUSTUS ENERGY PARTNERS LLC	43-019-30570-00-00	ARCO 27-1	UTU29645			11595	NWSW	27	16S-25E
46	AUGUSTUS ENERGY PARTNERS LLC	43-019-30047-00-00	BITTER CREEK 1				515	SWSE	2	16S-25E
47	AUGUSTUS ENERGY PARTNERS LLC	43-019-30240-00-00	ARCO-STATE 2-1				520	NESE	2	16S-24E
48	AUGUSTUS ENERGY PARTNERS LLC	43-019-30241-00-00	ARCO-STATE 2-2				520	NWNW	2	16S-24E
49	AUGUSTUS ENERGY PARTNERS LLC	43-019-31162-00-00	ARCO STATE 36-7				9710	SWSE	36	15.5S-24E
50	AUGUSTUS ENERGY PARTNERS LLC	43-019-31192-00-00	ARCO STATE 36-8				9710	SWSW	36	15.5S-24E

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 22 2013

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or recomplete an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
UTU14234

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.  
Blackhorse Federal 31-1

2. Name of Operator  
Southwestern Energy Ventures, LLC

9. API Well No.  
43-047-30765

3a. Address  
Attn: Ezra Lee, P. O. Box 1056, Bayfield, CO 81122

3b. Phone No. (include area code)  
970-884-4869

10. Field and Pool or Exploratory Area  
Black Horse Canyon

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1800' FSL & 500' FWL, Sec 31 T15S-R24E, 6th PM

11. Country or Parish, State  
Utah County, Utah

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change of Operator
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Effective 11/11/2013
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Southwestern Energy Ventures Company, LLC, as operator is responsible for conducting all operations in accordance with the requirements of the APD, Sundry Notice approval, Regulations found in 43 CFR, and applicable Onshore Orders and/or Notice to lessees.

Bond Coverage for operations conducted on this well is being provided by Southwestern Energy Ventures Company, LLC in the form of a \$ 25,000 statewide Bond.

BLM bond number Surety number (Letter of credit)

RLB0015347

UTB000592

RECEIVED

FEB 03 2014

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
Ezra Lee

Title Manager

Signature

Date 11-19-13

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Assistant Field Manager  
Lands & Mineral Resources

Date JAN 24 2014

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

VERNAL FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

UDOGM

Form 3000-4  
(June 1988)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**OIL AND GAS OR GEOTHERMAL LEASE BOND**

Act of February 25, 1920 (30 U.S.C. 181 et seq.)  
Act of August 7, 1947 (30 U.S.C. 351-359)  
Department of the Interior Appropriations Act, FY 1981 (42 U.S.C. 6508)  
Act of December 24, 1970 (30 U.S.C. 1001-1025)  
Other Oil and Gas and Geothermal Leasing Authorities as Applicable

Bond Number

RLB0015347

Lease Serial Number (For Individual Bond Only)

CHECK ONE ☒ OIL AND GAS ☐ GEOTHERMAL RESOURCES

CHECK ONE

☒ SURETY BOND

KNOW ALL BY THESE PRESENTS, THAT Southwestern Energy Ventures Company, LLC

(name)

of P. O. Box 1056 Bayfield, CO 81122

(address)

as principal, and RLI Insurance Company

(name)

of 8 Greenway Plaza, Suite 400 Houston, TX 77046, as surety,

(address)

are held and firmly bound unto the United States of America in the sum of Twenty Five Thousand and No/100

dollars (\$ 25,000.00),

lawful money of the United States, which may be increased or decreased by a rider hereto executed in the same manner as this bond.

☐ PERSONAL BOND

KNOW ALL BY THESE PRESENTS, That \_\_\_\_\_

(name)

of \_\_\_\_\_, as principal, is held and firmly

(address)

bound unto the United States of America in the sum of \_\_\_\_\_

dollars (\$ \_\_\_\_\_), lawful money of the United States which sum may be

increased or decreased by a rider hereto executed in the same manner as this bond.

The principal, in order to more fully secure the United States in the payment of the aforesaid sum, hereby pledges as security therefore United States negotiable securities of a par value equal to the amount specified. The principal, pursuant to the authority conferred by Section 1 of the Act of September 13, 1982 (31 U.S.C. 9303), does hereby constitute and appoint the Secretary of the Interior to act as his attorney. The interest accruing on the United States securities deposited, in the absence of any default in the performance of any of the conditions, or stipulations set forth in this bond and the instrument(s) granting rights and interests in Federal lands, must be paid to the principal. The principal hereby for himself/herself, any heirs, executors, administrators, successors, and assigns, joint and severally, ratifies and confirms whatever the Secretary shall do by virtue of these presents.

The principal/surety shall apply this bond or the Secretary shall transfer this deposit as security for the faithful performance of any and all of the conditions and stipulations as set forth in this bond and the instruments granting rights and interests in Federal lands. In the case of any default in the performance of the conditions and stipulations of such undertaking, it is agreed that: (1) for a Surety Bond, the surety/principal shall apply the bond or any portion thereof; (2) for a Personal Bond, the Secretary shall have full power to assign, appropriate, apply or transfer the deposit or any portion thereof, to the satisfaction of any damages, assessments, late payment charges, penalties, or deficiencies arising by reason of such default.

This bond is required for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas and geothermal deposits to the United States; (3) any lessee, permittee, or contractor, under a lease, permit, or resource sale contract issued, or to be issued, by the United States covering the same land subject to this bond, covering the use of the surface or the prospecting for, or the development of other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves and each of our heirs, executors, administrators, successors, and assigns, jointly and severally.

This bond shall cover all surface disturbing activities related to drilling operations on a Federal leasehold(s) in accordance with authorization(s) granted under the Acts cited above for:

CHECK ONE:

☐ NATIONWIDE BOND — Operations conducted by or on behalf of the principal(s) or on the leasehold(s) of the principal(s) in the United States including the National Petroleum Reserve in Alaska (NPR-A) when a rider sufficient to bring the amount in conformance with 43 CFR 3134 is provided, and provided a rider is obtained, also coverage of multiple exploration operations.

☒ STATEWIDE BOND — Operations conducted by or on behalf of the principal(s) or on the leasehold(s) of the principal(s), except the NPR-A, and, provided a rider is obtained, also coverage of multiple exploration operations within the single state of Utah.

☐ INDIVIDUAL BOND — Operations conducted by or on behalf of the principal or on the leasehold of the principal on the single lease identified by the serial number above.

NATIONAL PETROLEUM RESERVE IN ALASKA (NPR-A) BOND — This bond shall cover:

☐ NPR-A LEASE BOND — The terms and conditions of a single lease.

☐ NPR-A WIDE BOND — The terms and conditions of all leases, and provided a rider is obtained, coverage of multiple exploration operations.

(Continued on page 2)

## BOND CONDITIONS

The conditions of the foregoing obligations are such that:

1. WHEREAS the principal has an interest in a lease(s) and/or responsibility for operations on a lease(s) issued under the Acts cited in this bond; and

2. WHEREAS the principal and surety agree(s) that with notice to the surety the coverage of this bond, in addition to the present holding(s) of and/or authorization(s) granted to the principal, shall extend to and include:

a. Any lease(s) hereafter issued to or acquired by the obligor/principal, except under individual lease bonds, the coverage is to be confined to the principal's holding(s) and/or authorization(s) granted under the Acts cited in this bond, and to become effective immediately upon such authorization, approval or issuance of a transfer in favor of the principal; and

b. Any transfer(s) of operating rights hereafter entered into or acquired by the principal affecting lease(s); and

c. Any activity subsequent hereto of the principal as operator under a lease(s) issued pursuant to the Acts cited in this bond; and

Provided, That the surety may elect to terminate the additional coverage authorized under this paragraph. Such termination will become effective 30 days after the BLM receives notice of the election to terminate. After the termination becomes effective, the additional interest(s) identified in this paragraph will not be covered by this bond; and

3. WHEREAS the principal and surety agree(s) that with notice to the surety that this bond shall remain in full force and effect notwithstanding: Any assignment(s) of an undivided interest in any part or all of the lands in the lease(s) in which event the assignee(s) shall be considered to be coprincipal(s) on an individual or NPR-A bond as fully and to the same extent as though his/her or their duly, authenticated signatures appeared thereon; and

4. WHEREAS the obligor/surety hereby waives any right to notice of, and agrees that this bond shall remain in full force and effect notwithstanding:

a. Any assignment(s) of 100% of some of the lands described in the lease(s), the bond to remain in full force and effect only as to the lands retained in the lease(s); and

b. Any transfer(s) either in whole or in part, of any or all of the operating rights and further agrees to remain bound under this bond as to the interests in the operating rights retained by the principal; and

c. Any modification of a lease or operating right, or obligation thereunder, whether made or effected by commitment of lease or operating right to unit, cooperative, communitization or storage agreements, or development contracts, suspensions of oper-

ations or production, waivers, suspensions or changes in rental, minimum royalty and royalties, compensatory royalty payments, or otherwise; and

d. Any extension of a lease(s) covered by this bond, such coverage to continue without any interruption due to the expiration of the term set forth in the lease(s); and

5. WHEREAS the principal and surety hereby agree(s) that notwithstanding the termination, expiration, cancellation or relinquishment of any lease(s), whether by operation of law or otherwise, the bond shall remain in full force and effect as to the terms and conditions of all remaining leases and obligations covered by the bond; and

6. WHEREAS the principal, as to any lease or part of a lease for land on which he/she is the operator, in consideration of being permitted to furnish this bond in lieu of the lessee(s) or operating rights owner(s), agrees and by these presents does hereby bind himself/herself to fulfill on behalf of each lessee or operating rights owner all obligations of such for the entire leasehold in the same manner and to the same extent as though he/she were lessee or operating rights owner; and

7. WHEREAS the obligor/principal and surety agree(s) that the neglect or forbearance of said lessor in enforcing, as against any responsible party, the payment of rentals or royalties or the performance of any other term or condition of the lease(s) shall not, in any way, release the principal and surety, or either of them from any liability under this bond; and

8. WHEREAS the principal and surety agree(s) that in the event of any default under the lease(s) the lessor may commence and prosecute any claim, suit, or other proceeding against the principal and surety or either of them, without the necessity of joining the lessee(s); and

9. WHEREAS if the principal fails to comply with any provisions of an oil and gas lease, and the noncompliance continues for thirty (30) days after written notice thereof, such lease shall be subject to cancellation and the principal shall also be subject to applicable provisions and penalties of the Federal Oil and Gas Royalty Management Act (30 U.S.C. 1701 et seq.) or the Federal Onshore Oil and Gas Leasing Reform Act. This provision shall not be construed to prevent the exercise by the United States of any other legal and equitable remedy, including waiver of the default.

10. NOW, THEREFORE if said principal, his/her heirs, executors, administrators, successors, or assigns shall in all respects faithfully comply with all of the provisions of the instrument(s) granting rights and interests in Federal lands referred to above, then the obligations are to be void; otherwise to remain in full force and effect.

Signed this 8th day of November, 2013, in the presence of:

### NAMES AND ADDRESSES OF WITNESSES

BY: \_\_\_\_\_

BY: \_\_\_\_\_

BY: Katie Tran Katie Tran  
8 Greenway Plaza, Suite 400 Houston, TX 77046

BY: Donna MacKenzie Donna MacKenzie  
8 Greenway Plaza, Suite 400 Houston, TX 77046

If this bond is executed by a corporation, it must bear the seal of that corporation.

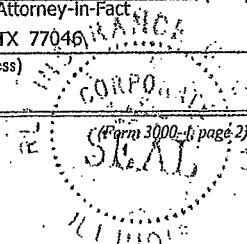
Southwestern Energy Ventures Company, LLC

[Signature] (Principal) (L.S.)

P.O. Box 1056 Bayfield, CO 81122  
RLI Insurance Company (Business Address)

[Signature] (L.S.)

Robbie Duxbury (Surety) Attorney-in-Fact  
8 Greenway Plaza, Suite 400 Houston, TX 77046  
(Business Address)





RLB0015347

RLI Surety  
A division of RLI Insurance Company

## POWER OF ATTORNEY

### RLI Insurance Company

#### Know All Men by These Presents:

That the RLI INSURANCE COMPANY, a corporation organized and existing under the laws of the State of Illinois, and authorized and licensed to do business in all states and the District of Columbia does hereby make, constitute and appoint: ROBBIE DUXBURY in the City of HOUSTON, State of TEXAS, as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, all of the following classes of documents to-wit:

\$25,000.00

Indemnity, Surety and Undertakings that may be desired by contract, or may be given in any action or proceeding in any court of law or equity; policies indemnifying employers against loss or damage caused by the misconduct of their employees; official, bail and surety and fidelity bonds. Indemnity in all cases where indemnity may be lawfully given; and with full power and authority to execute consents and waivers to modify or change or extend any bond or document executed for this Company, and to compromise and settle any and all claims or demands made or existing against said Company.

The RLI INSURANCE COMPANY further certifies that the following is a true and exact copy of a Resolution adopted by the Board of Directors of RLI Insurance Company, and now in force to-wit:

"All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or Agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers-of-Attorney, or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

IN WITNESS WHEREOF, the RLI Insurance Company has caused these presents to be executed by its PRESIDENT with its corporate seal affixed this

ATTEST:

Jean M. Stephenson  
CORPORATE SECRETARY

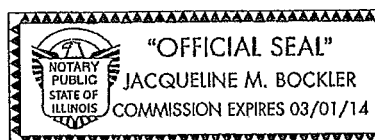
State of Illinois )  
County of Peoria ) SS



Michael J. Stone  
PRESIDENT

On this 8 day of November 2013 before me, a Notary Public, personally appeared Michael J. Stone and Jean M. Stephenson, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as President and Corporate Secretary, respectively, of the said RLI INSURANCE COMPANY, and acknowledged said instrument to be the voluntary act and deed of said corporation.

Jacqueline M. Bockler  
Notary Public



SPA027 (03/11)

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date: 11/1/2014

FORMER OPERATOR:	NEW OPERATOR:
Southwestern Energy Ventures Company, LLC N4035 2154 W Eisenhower Blvd Loveland, CO 80537 970-669-7411	SWEVCO-SABW, LLC N4155 2154 W Eisenhower Blvd Loveland, CO 80537 970-669-7411
CA Number(s):	San Arroyo

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2014
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2014
3. New operator Division of Corporations Business Number: 8820416-0161

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
3. Reports current for Production/Disposition & Sundries: 10/27/2014
4. OPS/SI/TA well(s) reviewed for full cost bonding: 10/27/2014
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: RLB0015753
2. Indian well(s) covered by Bond Number: RLB0015753
3. State/fee well(s) covered by Bond Number(s): RLB0015799

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 11/3/2014
2. Entity Number(s) updated in **OGIS** on: 11/3/2014
3. Unit(s) operator number update in **OGIS** on: 11/3/2014
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/3/2014
6. Surface Facilities update in **RBDMS** on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 11/3/2014

**COMMENTS:**

Southwestern Energy Ventures Company, LLC to SWEVCO-SABW, LLC  
Effective November 1, 2014

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Tpye	Status	Unit
ARCO 27-1	27	160S	250E	4301930570	11595	Federal	Federal	GW	P	
BLACK HORSE CANYON FED 31-1	31	150S	240E	4304730765	8345	Federal	Federal	GW	P	
FEDERAL 174 1	11	160S	250E	4301915884	8340	Federal	Federal	GW	P	
FEDERAL GILBERT 1	11	160S	250E	4301911089	8341	Federal	Federal	GW	P	
ARCO STATE 36-7	36	155S	240E	4301931162	9710	State	State	GW	P	
ARCO-STATE 2-1	2	160S	240E	4301930240	520	State	State	GW	P	
ARCO-STATE 2-2	2	160S	240E	4301930241	520	State	State	GW	P	
BITTER CREEK 1	2	160S	250E	4301930047	515	State	State	GW	P	
BAR X UNIT 11	18	170S	260E	4301930592	19413	Federal	Federal	GW	S	
BAR X UNIT 25	12	170S	250E	4301931371	19414	Federal	Federal	GW	S	
BAR X UNIT 4	18	170S	260E	4301915023	19412	Federal	Federal	GW	S	
ARCO STATE 36-8	36	155S	240E	4301931192	9710	State	State	GW	S	
FEDERAL 47	31	160S	260E	4301931318	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 12	23	160S	250E	4301915893	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 13	22	160S	250E	4301915894	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 16	26	160S	250E	4301915896	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 17	24	160S	250E	4301915897	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 18	30	160S	260E	4301915898	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 19	14	160S	250E	4301915899	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 20	26	160S	250E	4301915900	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 21	25	160S	250E	4301915901	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 22	15	160S	250E	4301915902	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 24	19	160S	260E	4301915903	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 25	21	160S	250E	4301915904	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 26	20	160S	260E	4301915905	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 27	29	160S	260E	4301915906	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 28	29	160S	260E	4301915907	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 3	23	160S	250E	4301915886	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 30	21	160S	260E	4301915909	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 33	25	160S	250E	4301930608	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 4	30	160S	260E	4301915887	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 44	30	160S	260E	4301931301	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 45	20	160S	260E	4301931299	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 49	29	160S	260E	4301931316	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 9	27	160S	250E	4301915891	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 35	24	160S	250E	4301911090	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 36-A	19	160S	260E	4301931251	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 37	20	160S	260E	4301931252	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 42	30	160S	260E	4301931290	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 43	29	160S	260E	4301931291	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 8	16	160S	250E	4301915890	500	Federal	State	GW	P	SAN ARROYO
SAN ARROYO U 38	16	160S	250E	4301931253	500	State	State	GW	P	SAN ARROYO
SAN ARROYO U 41	36	160S	250E	4301931289	500	State	Fee	GW	P	SAN ARROYO
SAN ARROYO 1	26	160S	250E	4301916532	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 11	15	160S	250E	4301915892	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 1625-220	22	160S	250E	4301931580	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 2	22	160S	250E	4301915885	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 29	22	160S	250E	4301915908	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 31	22	160S	250E	4301930527	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 32	14	160S	250E	4301930528	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 5	25	160S	250E	4301915888	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 6	21	160S	250E	4301915889	505	Federal	Federal	GW	S	SAN ARROYO



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
SOUTHWESTERN ENERGY VENTURES COMPANY, LLC Operator #N4035

3. ADDRESS OF OPERATOR:  
2154 W. Eisenhower Blvd. CITY Loveland STATE CO ZIP 80537 PHONE NUMBER: (970) 669-7411

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached

COUNTY: See Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached list of wells, transferring operations to new operator SWEVCO-SABW, LLC #N4155

NAME (PLEASE PRINT) Ezra Lee TITLE President, Southwestern Energy Ventures Comp.  
SIGNATURE  DATE 10-16-14

(This space for State use only)

APPROVED

NOV 03 2014

DIV. OIL GAS & MINING (See Instructions on Reverse Side)

BY: Rachel Medina

RECEIVED

OCT 21 2014

DIV. OF OIL, GAS & MINING

UTAH																										
API Well Number	Well Name	Operator	Well Status	Well Type	WI	NRI	RI	OR	Field Name/Unit #	Surface Ownership	Mineral Lease	Lease Number	County	Qtr/Qtr	Section	Township-Range	FNL/FSL		FEL/FWL		Latitude	Longitude	Elev. GR	TD	Unit #	PUMPER
OPERATED																										
Outside the Unit		SWEVCO-SABW																								
43-019-30570	ARCO 27-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	Federal	Federal	U-29645	GRAND	NWSW	27	16S-25E	1787	S	1200	W	39.3846	-109.14821	6740	5700		Chris
43-019-31162	ARCO STATE 36-7	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSE	36	15.5S-24E	540	S	1550	E	39.45341	-109.21341	8319	7945		Chris
43-019-31192	ARCO STATE 36-8	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSW	36	15.5S-24E	945	S	850	W	39.45468	-109.22361	7789	7490		Chris
43-019-30240	ARCO STATE 2-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NESE	2	16S-24E	2194	S	991	E	39.44346	-109.23015	8443	7600		Chris
43-019-30241	ARCO STATE 2-2	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NWNW	2	16S-24E	769	N	857	W	39.44995	-109.24212	7886	7250		Chris
43-019-30047	BITTER CREEK 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	State	State	ML-25151	GRAND	SWSE	2	16S-25E	395	S	2530	E	39.4387	-109.12413	7375	6658		Chris
43-047-30765	BLACK HORSE CANYON FED 31-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	BLACK HORSE CYN	Federal	Federal	U-14234	UINTAH	NWSW	31	15S-24E	1820	S	500	W	39.46736	-109.28001	8262	7910		Chris
43-019-15884	FEDERAL 174 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84875000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SESW	11	16S-25E	1285	S	2090	W	39.42669	-109.1264	6577	5299		Chris
43-019-11089	FEDERAL GILBERT 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SWNE	11	16S-25E	1700	N	1830	E	39.4329	-109.12144	7001	6200		Chris
43-019-15023	BAR X UNIT 4	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NENE	18	17S-26E	660	N	660	E	39.33379	-109.07281	5146	3599		Chris
43-019-30592	BAR X UNIT 11	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NWNW	18	17S-26E	1319	N	1285	W	39.33203	-109.08486	5200	3466		Chris
43-019-31371	BAR X UNIT 25	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064806	GRAND	NWSE	12	17S-25E	1384	S	2165	E	39.33965	-109.09684	5273	3742		Chris
San Arroyo Unit																										Chris
43-019-16532	SAN ARROYO 1	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENW	26	16S-25E	1712	N	2566	W	39.38943	-109.12453	6033	5065		Chris
43-019-15892	SAN ARROYO 11	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05059C	GRAND	NESW	15	16S-25E	1760	S	1990	W	39.41349	-109.14544	7524	6367		Chris
43-019-15893	SAN ARROYO 12	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SWSW	23	16S-25E	1140	S	1220	W	39.39734	-109.12949	6507	4731		Chris
43-019-15894	SAN ARROYO 13	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	C-SW	22	16S-25E	1320	S	1320	W	39.39783	-109.14783	7592	6260		Chris
43-019-15896	SAN ARROYO 16	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SESW	26	16S-25E	1125	S	1790	W	39.38276	-109.12746	5922	4884		Chris
43-019-15897	SAN ARROYO 17	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25243	GRAND	NENE	24	16S-25E	660	N	940	E	39.40676	-109.09956	5983	5003		Chris
43-019-15898	SAN ARROYO 18	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06023	GRAND	NWNW	30	16S-26E	660	N	990	W	39.39241	-109.09272	5778	4128		Chris
43-019-15899	SAN ARROYO 19	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSE	14	16S-25E	820	S	1610	E	39.41086	-109.12089	6305	5200		Chris
43-019-15885	SAN ARROYO 2	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-0370A	GRAND	SENW	22	16S-25E	2420	N	2430	W	39.40199	-109.14379	7752	6826		Chris
43-019-15900	SAN ARROYO 20	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENE	26	16S-25E	1360	N	170	E	39.39025	-109.11553	6855	5457		Chris
43-019-15901	SAN ARROYO 21	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	NWSE	25	16S-25E	2066	S	2340	E	39.3853	-109.1047	5878	4299		Chris
43-019-15902	SAN ARROYO 22	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011A	GRAND	NENE	15	16S-25E	1210	N	990	E	39.41968	-109.13711	6480	5500		Chris
43-019-15903	SAN ARROYO 24	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06188	GRAND	SENW	19	16S-26E	2450	N	1495	W	39.40194	-109.09106	6023	4815		Chris
43-019-15904	SAN ARROYO 25	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25244	GRAND	SWNE	21	16S-25E	1520	N	1805	E	39.40437	-109.15872	7599	5894		Chris
43-019-15905	SAN ARROYO 26	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25297	GRAND	SWSW	20	16S-26E	660	S	660	W	39.39603	-109.07543	5800	4800		Chris
43-019-15906	SAN ARROYO 27	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06021	GRAND	NESW	29	16S-26E	1990	S	2100	W	39.3851	-109.07027	5584			Chris
43-019-15907	SAN ARROYO 28	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-5650	GRAND	NWNE	29	16S-26E	660	N	1980	E	39.39225	-109.06591	5690	4260		Chris
43-019-15908	SAN ARROYO 29	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	NENE	22	16S-25E	1300	N	195	E	39.40492	-109.13429	6849	5200		Chris
43-019-15886	SAN ARROYO 3	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	SENW	23	16S-25E	1425	N	1450	W	39.40481	-109.12847	6474	5460		Chris
43-019-15909	SAN ARROYO 30	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05650	GRAND	NWSW	21	16S-26E	2600	S	900	W	39.40124	-109.05587	5481	4293		Chris
43-019-30527	SAN ARROYO 31	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	NWNW	22	16S-25E	1111	N	913	W	39.40567	-109.14907	7742	6071		Chris
43-019-30528	SAN ARROYO 32	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-																			

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
2. NAME OF OPERATOR: SWEVCO-SABW, LLC Operator #N4155		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 
3. ADDRESS OF OPERATOR: 2154 W. Eisenhower Blvd. CITY Loveland STATE CO ZIP 80537		7. UNIT or CA AGREEMENT NAME: See Attached
PHONE NUMBER: (970) 669-7411		8. WELL NAME and NUMBER: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		9. API NUMBER: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		10. FIELD AND POOL, OR WILDCAT: 
COUNTY: See Attached		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached list of wells, taking over as operator from Southwestern Energy Ventures Company, LLC #N4035

Effective date: November 1, 2014  
BLM Bond: RLB 0015753  
State Bond: RLB 0015799

NAME (PLEASE PRINT) Kellie Diffendaffer	TITLE Accounting Manager
SIGNATURE <i>Kellie Diffendaffer</i>	DATE 10/14/14

(This space for State use only)

RECEIVED

OCT 21 2014

APPROVED

NOV 03 2014

UTAH																									
API Well Number	Well Name	Operator	Well Status	Well Type	WI	NRI	RI	OR	Field Name/Unit #	Surface Ownership	Mineral Lease	Lease Number	County	Qtr/Qtr	Section	Township-Range	FNL/FSL	FEL/FWL	Latitude	Longitude	Elev. GR	TD	Unit #	PUMPER	
OPERATED																									
Outside the Unit																									
43-019-30570	ARCO 27-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	Federal	Federal	U-29645	GRAND	NWSW	27	16S-25E	1787	S	1200	W	39.3846	-109.14821	6740	5700	Chris
43-019-31162	ARCO STATE 36-7	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSE	36	15.5S-24E	540	S	1550	E	39.45341	-109.21341	8319	7945	Chris
43-019-31192	ARCO STATE 36-8	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSW	36	15.5S-24E	945	S	850	W	39.45468	-109.22361	7789	7490	Chris
43-019-30240	ARCO STATE 2-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NESE	2	16S-24E	2194	S	991	E	39.44346	-109.23015	8443	7600	Chris
43-019-30241	ARCO STATE 2-2	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NWNW	2	16S-24E	769	N	857	W	39.44995	-109.24212	7886	7250	Chris
43-019-30047	BITTER CREEK 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	State	State	ML-25151	GRAND	SWSE	2	16S-25E	395	S	2530	E	39.4387	-109.12413	7375	6658	Chris
43-047-30765	BLACK HORSE CANYON FED 31-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	BLACK HORSE CYN	Federal	Federal	U-14234	UINTAH	NWSW	31	15S-24E	1820	S	500	W	39.46736	-109.28001	8262	7910	Chris
43-019-15884	FEDERAL 174 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84875000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SESW	11	16S-25E	1285	S	2090	W	39.42669	-109.1264	6577	5299	Chris
43-019-11089	FEDERAL GILBERT 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SWNE	11	16S-25E	1700	N	1830	E	39.4329	-109.12144	7001	6200	Chris
43-019-15023	BAR X UNIT 4	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NENE	18	17S-26E	660	N	660	E	39.33379	-109.07281	5146	3599	Chris
43-019-30592	BAR X UNIT 11	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NWNW	18	17S-26E	1319	N	1285	W	39.33203	-109.08486	5200	3466	Chris
43-019-31371	BAR X UNIT 25	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064806	GRAND	NWSE	12	17S-25E	1384	S	2165	E	39.33965	-109.09684	5273	3742	Chris
San Arroyo Unit																									
43-019-16532	SAN ARROYO 1	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENW	26	16S-25E	1712	N	2566	W	39.38943	-109.12453	6033	5065	Chris
43-019-15892	SAN ARROYO 11	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05059C	GRAND	NESW	15	16S-25E	1760	S	1990	W	39.41349	-109.14544	7524	6367	Chris
43-019-15893	SAN ARROYO 12	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SWSW	23	16S-25E	1140	S	1220	W	39.39734	-109.12949	6507	4731	Chris
43-019-15894	SAN ARROYO 13	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	C-SW	22	16S-25E	1320	S	1320	W	39.39783	-109.14783	7592	6260	Chris
43-019-15896	SAN ARROYO 16	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SESW	26	16S-25E	1125	S	1790	W	39.38276	-109.12746	5922	4884	Chris
43-019-15897	SAN ARROYO 17	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25243	GRAND	NENE	24	16S-25E	660	N	940	E	39.40676	-109.09596	5983	5003	Chris
43-019-15898	SAN ARROYO 18	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06023	GRAND	NWNW	30	16S-26E	660	N	990	W	39.39241	-109.09272	5778	4128	Chris
43-019-15899	SAN ARROYO 19	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSE	14	16S-25E	820	S	1610	E	39.41086	-109.12089	6305	5200	Chris
43-019-15885	SAN ARROYO 2	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-0370A	GRAND	SENW	22	16S-25E	2420	N	2430	W	39.40199	-109.14379	7752	6826	Chris
43-019-15900	SAN ARROYO 20	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENE	26	16S-25E	1360	N	170	E	39.39025	-109.11553	6855	5457	Chris
43-019-15901	SAN ARROYO 21	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	NWSE	25	16S-25E	2066	S	2340	E	39.3853	-109.1047	5878	4299	Chris
43-019-15902	SAN ARROYO 22	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011A	GRAND	NENE	15	16S-25E	1210	N	990	E	39.41968	-109.13711	6480	5500	Chris
43-019-15903	SAN ARROYO 24	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06188	GRAND	SENW	19	16S-26E	2450	N	1495	W	39.40194	-109.09106	6023	4815	Chris
43-019-15904	SAN ARROYO 25	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25244	GRAND	SWNE	21	16S-25E	1520	N	1805	E	39.40437	-109.15872	7599	5894	Chris
43-019-15905	SAN ARROYO 26	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25297	GRAND	SWSW	20	16S-26E	660	S	660	W	39.39603	-109.07543	5800	4800	Chris
43-019-15906	SAN ARROYO 27	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06021	GRAND	NESW	29	16S-26E	1990	S	2100	W	39.3851	-109.07027	5584		Chris
43-019-15907	SAN ARROYO 28	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-5650	GRAND	NWNE	29	16S-26E	660	N	1980	E	39.39225	-109.06591	5690	4260	Chris
43-019-15908	SAN ARROYO 29	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	NENE	22	16S-25E	1300	N	195	E	39.40492	-109.13429	6849	5200	Chris
43-019-15886	SAN ARROYO 3	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	SENW	23	16S-25E	1425	N	1450	W	39.40481	-109.12847	6474	5460	Chris
43-019-15909	SAN ARROYO 30	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05650	GRAND	NWSW	21	16S-26E	2600	S	900	W	39.40124	-109.05587	5481	4293	Chris
43-019-30527	SAN ARROYO 31	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	NWNW	22	16S-25E	1111	N	913	W	39.40567	-109.14907	7742	6071	Chris
43-019-30528	SAN ARROYO 32	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSW	14	16S-25E	678	S	370	W	39.41066	-109.13255	6325	4964	Chris
43-019-30608	SAN ARROYO 33	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SWSW	25	16S-25									

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-31928
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> MAR/REG OIL COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> TIN CUP MESA
<b>3. ADDRESS OF OPERATOR:</b> PO Box 18148 , Reno, NV, 89511		<b>8. WELL NAME and NUMBER:</b> TIN CUP MESA 1-25
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1950 FNL 0790 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 25 Township: 38.0S Range: 25.0E Meridian: S		<b>9. API NUMBER:</b> 43037306900000
<b>PHONE NUMBER:</b> 755 852-7444 Ext		<b>9. FIELD and POOL or WILDCAT:</b> TIN CUP MESA
<b>COUNTY:</b> SAN JUAN		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/30/2014  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION         </div> </div>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Request an extension to conduct remedial work. Request extension to April 30, 2015. Operator will monitor casing pressure weekly and file pressure report monthly.		
Approved by the Utah Division of Oil, Gas and Mining  Date: <u>10/31/14</u> By: <u>[Signature]</u>		<b>COPY SENT TO OPERATOR</b> Date: <u>11.3.2014</u> Initials: <u>KS</u>
<b>NAME (PLEASE PRINT)</b> Tariq Ahmad		<b>PHONE NUMBER</b> 775 852-7444
<b>SIGNATURE</b> N/A		<b>TITLE</b> Petroleum Engineer
<b>DATE</b> 10/29/2014		